

T.K.R College of Engineering & Technology, Dept of CSE
 I. Minutes of Meeting of ^{Faculty} Syllabus ~~on~~ held at TKRCEET
 chambers at 11:00 hrs on 6/8/2017.

Agenda

- 1) Approval of Academic Regulations i.e.
- 2) Approval of Common Syllabus for all branches.
- 3) Approval of "Comp Programming in C" of Laboratory Experiments Lab. Course

Minutes Academic Regulations from ~~II Sem to VII Sem~~ ^{II Sem to VIII Sem} to change credits

1. Data types should be in Introduction part.
2. Stacks & Queues Concept must be discussed along with arrays
3. To remove Extra things like why, what, etc;
4. Title should not be changed.
5. Dev. C++ Compiler to be made mandatory in Lab. Laboratory; 5b) ^{III-IV offer 27 credits; III-I} add PE min 21; ^{IV} 27 min 21; 21-min-18
- 6) III year Mathematics; DS - 2 C++ - 2 units; ops - 2 java - 3
- 7) Approval of ^{Course} Structures for I, II, Year to Year IV year

Members present:

1. Prof. S.V.L. Narasimham
 (University Nominee)

S. Narasimham

2. Prof. R.B.V. Subramanyam
 (Subject Expert)

R.B.V. Subramanyam

3. Prof. P. Radhakrishna
 (Industry Expert)

P. Radhakrishna

4. Prof. M.A. Hameed
 (Subject Expert)

M.A. Hameed

5) Dr. A. Suresh Rao
 (Head)

A. Suresh Rao

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Madbowli, Meerpet, Hyderabad - 500097.

4
7. Dr. K. V. Prasad
(Senior faculty)

K. V. Prasad

8. Dr. K. M. V. Madan Kumar
(Senior faculty)

K. M. V.

9. Mr. K. Ramesh
Co-ordinator - PG

K. Ramesh

10. Mr. V. Ravi Kumar
(Senior faculty)

V. Ravi Kumar



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2nd Minutes of Meeting of BOS CSE Dept held on 16/12/17

1. Agenda points:

- ① Discussion on Agenda of previous Meeting points of change in Curriculum;
- ② M.Tech Regulations - R-17.
- ③ M.Tech Syllabus approval for 2 years & Course Structure
- ④ B.Tech II year Syllabus approval;

Suggestions by BOS:

- ① Database Internals Subject is replaced with Data Science
- ② Additional Laboratory Component; ^{in core elective} ~~with~~ is incorporated 3 0 2 4 Credit Course pattern.
- ③ IRS is replaced with Mining & Big data


In both Semester having Specific: Core Lab Course. It is proposed & approved to have S/W Lab 1; S/W Lab 2 to cover the Experiments Related to all Core Courses.

- ④ II year B.Tech Course structure & Syllabus are approved with Minor Modifications.

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Members Presents

			Signature
1.	Prof S.V.L Narasimham (University Nominee)	- Member	J. S. Jay
2.	Prof R. B. V. Subramanyam (Subject Expert)	- Expert 1.	R. B. V. Subramanyam
3.	Prof P. Radhakrishna (Industry Expert)	- Industry Expert	P. Radhakrishna
4.	Prof M. A. HAMEED (Subject Expert)	- Expert 2.	M. A. Hameed
5.	Dr. A SURESH RAO	- Chairman & Head	A. Suresh Rao 16/12/2019
6.	Dr. S. Somaraju (Senior faculty)	- P.G. Course	S. Somaraju
7.	Dr. K. V. Prasad (Senior faculty)	- UG Course	K. V. Prasad
8.	Dr. K. Ramesh (Senior faculty)	- Member	K. Ramesh


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3rd Minutes of Meetings of Board of Studies. CSE Dept.
held on 10/07/2018 at 11:30 hrs.

Agenda points


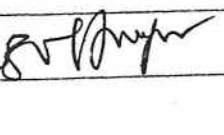
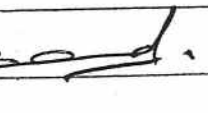
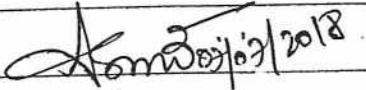
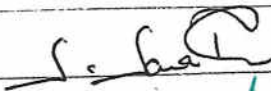
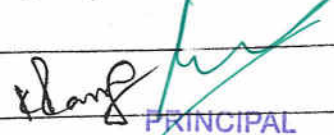
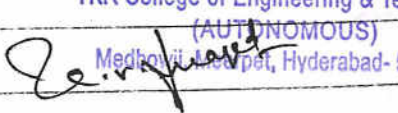
1. Course structure for Academic year 2018-19
2. Ratification of 3rd & 4th year R17 Syllabi with open electives
3. Formulating of PSDs.
4. Ratification of Syllabus for ~~Academic year~~ C-Programming for R-18 Syllabus for I year & II year, III yr, IV yr
5. PGr- Regulations as R-17 for R-18.

Minutes:

1. Point is approved with suggestive corrections.
2. Ratified I year ~~II year~~ C-Programming Syllabus & ~~II year~~ Academic 2018-19; with corrections.
3. Formulated PSDs
4. Ratified Syllabus for 3rd & 4th year of R17 Syllabus with Open Electives
5. Ratified PGr-Regulations & Syllabus as R17 for R18 also

Members Present.

Signature

1. Prof. S.V.L. Nageshwar (University nominee) 
2. Prof. R.B.V. Subramanyam (Subject Expert) 
3. Prof. M.A. Hameed (Subject Expert) 
4. Dr. A. Suresh Rao (Head) 
5. Dr. S. Somaraju (Chairman BOS) 
6. Dr. K. Ramesh (Senior faculty) 
7. Dr. B. V. Prasad (Senior faculty) 



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
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Computer Science & Engineering

Minutes of the BOS meeting held on 21-11-2020 at 2.30pm

Agenda:

1. Approval of course structure for Computer Science & Engineering-R20.
2. Revision of R18 Professional Elective Courses and Open Elective Courses.
3. Discussion of thrust areas.
4. Detailing of R20 4 Semesters syllabus.
5. Substitute courses for re-admitted students of R15 and R17 regulations.


Minutes

1. The members have approved the R20 course structure and recommend PPS subject credits to 4.5 (Theory and Lab).
2. Members suggested Memory allocation functions related experiments to be included in C Programming language Lab.
3. Members suggested to revise R18 elective courses i.e based on demand of courses.
4. Members suggested to frame the elective courses based on thrust areas.
5. NoSQL concept need to include in Database Management System Course.
6. Members suggested that 2D plotting experiments to include in SCI laboratory course.
7. Members are accepted the detailed syllabi for the first 4 semesters with minor modifications.
8. Members suggested that Concepts related to Sorting and Searching need to be included in the proposed subject Object-Oriented Programming and Data Structures using Java both theory course and laboratory course.
9. Members suggested that more practical oriented teaching need to be incorporated.
10. Members approved and suggested subjects for re-admitted students of R15 & R17 regulations, which is already approved in 3rd BoS meeting conducted on 07/07/2018.

Members Present

S.No	Member Name	Signature
1	Dr. G.Venkata Rami Reddy, Professor of CSE, JNTUH-SIT.	
2	Prof. R. B.V.S. Subramanyam, Professor of CSE, NIT Warangal.	
3	Prof. M. A. Hameed Professor of CSE, Osmania University -COE.	
4	Dr. V. Shree Kumar, Industry Expert.	
5	Dr. A. Suresh Rao, Vice Principal, Dean Academics and HoD CSE.	
6	Dr. M. Narendra, Professor of CSE and Chairman-BOS, TKRCET.	

7. Members suggested that some of the laboratory experiments related to Introduction to Computer Vision course incorporate in the laboratory course.
8. Members unanimously approved the proposed course structure for the Newly introduced course Computer Science & Engineering (DS).
9. Members are accepted the Detailed syllabi for the first 4 semesters with minor modifications.
10. Members suggested that Concepts related to Sorting and Searching need to be include inthe proposed subject Object-Oriented Programming and Data Structures using Java both theory course and laboratory course.
11. Members suggested that Data Visualization Lab need to implement with Python instead of Tableau.
12. Members suggested that more practical oriented teaching need to be incorporate.
13. Members approved and suggested subjects for re-admitted students of R15 & R17 regulations, which is already approved in 3rd BoS meeting conducted on 07/07/2018.


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Computer Science & Engineering (AI&ML)

Minutes of the BOS meeting held on 21-11-2020 at 2.30 pm

Agenda:

1. Finalization of course structure for Computer Science & Engineering (AI&ML)
2. Finalization of detailed syllabus for 4 semesters of Computer Science & Engineering (AI&ML)
3. Certain points related to syllabi

Minutes

1. Members unanimously approved the proposed course structure for the Newly introduced course Computer Science & Engineering (AI&ML)
2. Members are accepted the Detailed syllabi for the first 4 semesters with minor modifications
3. Members suggested that some of the laboratory experiments related to Introduction to Computer Vision course incorporate in the laboratory course
4. Members suggested that more practical oriented teaching need to be incorporate

Members

S.No.	Member Name	Signature
1	Prof. Venkatrami Reddy Professor of CSE, JNTUH-SIT.	
2	Prof. R. B.V.S. Subramanyam Professor of CSE, NIT Warangal.	
3	Prof. M. A. Hameed Professor of CSE, Osmania University -COE.	
4	Dr. V. Shree Kumar Industry Expert	
5	Dr. D. V. Ravi Shankar Principal TKRCET	
6	Dr. A. Suresh Rao Vice Principal, Dean Academics and HoD CSE	
7	Dr. M. Narendra Professor of CSE and BOS, TKRCET	
8	Dr. V. Krishna Professor of CSE, TKRCET, Subject Expert for CSE (DS).	
9	Dr. B. Sunil Srinivas Professor of CSE, TKRCET, Subject Expert for CSE (AI&ML).	

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TKR College of Engineering & Technology
Department of CSE (AI&ML)

5

I. Minutes of Meeting held at TKRCET



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CSE (AI&ML)

Board of Studies Meeting held on 15/10/2022 at 10.15AM

Agenda:

1. Finalization of R22 course structure with classification
2. Evaluation process
3. Discussion on CBT
4. New courses added in the curriculum

Minutes of Meeting

1. Course structure approval for R22 Regulation with following classification: HS with 11 credits, BS with 22 credits, ES with 23 credits, PC with 59 credits, PE with 18 credits, OE with 12 credits, PW with 15 credits
2. Each and every Semester constitutes with 20 credits total of 160 credits.
3. Internal evaluation for 40 Marks External Evaluation for 60 marks
4. No CBT for Internal Examination
5. Skill Development Course is added in V Semester in order to meet the requirement
6. Open electives are introduced in VI, VII and VIII in order to make the student in multi-disciplinary expertise
7. Professional electives which are related to Artificial Intelligence area and the technology related to the industrial needs are introduced in V, VI, VII, VIII of students choice in order to meet the choice based credit system
8. Project is introduced in VII and VIII semesters
9. Mandatory courses are introduced to enhance the skills of the student for societal needs.


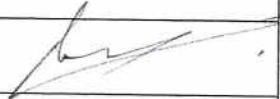




Members


S.NO.	MEMBER NAME	SIGNATURE
1	Dr. G. Venkat Rami Reddy Professor of CSE, JNTUH-SIT	
2	Prof. R.B.V. Subramanyam Professor of CSE, NIT Warangal	

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3	Dr. M. A. Hammeed Professor of CSE, Osmania University -COE	
4	Mr. Roop Kumar Raju, Industry Expert	
5	Dr. D.V. Ravi Shankar, Principal, TKRCET	
6	Dr. A. Suresh Rao Dean Academics and HoD CSE, TKRCET	
7	Dr. V. Krishna Professor of CSE (DS)and HoD, TKRCET	
8	Dr. B. Sunil Srinivas Professor of CSE and HoD, TKRCET	
9	Mrs. C. Jaya Lakshmi Asst. Professor, Subject Expert CSE(AI&ML), TKRCET	


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Computer Science & Engineering (Data Science)

Minutes of the BOS meeting held on 21-11-2020 at 2.30 pm

Agenda:

1. Finalization of course structure for Computer Science & Engineering (DS)
2. Finalization of detailed syllabus for 4 semesters of Computer Science & Engineering (DS)
3. Certain points related to syllabi

Minutes

1. Members unanimously approved the proposed course structure for the Newly introduced course Computer Science & Engineering (DS)
2. Members are accepted the Detailed syllabi for the first 4 semesters with minor modifications
3. Members suggested that more practical oriented teaching need to be incorporate

Members

S.no.	Member Name	Signature
1	Prof. Venkatrami Reddy Professor of CSE, JNTUH-SIT.	
2	Prof. R. B.V.S. Subramanyam Professor of CSE, NIT Warangal.	
3	Prof. M. A. Hameed Professor of CSE, Osmania University -COE.	
4	Dr. V. Shree Kumar Industry Expert	
5	Dr. D. V. Ravi Shankar Principal TKRCET	
6	Dr. A. Suresh Rao Vice Principal, Dean Academics and HoD CSE	
7	Dr. M. Narendra Professor of CSE and BOS, TKRCET	
8	Dr. V. Krishna Professor of CSE, TKRCET, Subject Expert for CSE (DS).	
9	Dr. B. Sunil Srinivas Professor of CSE, TKRCET, Subject Expert for CSE (AI&ML).	

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CSE (Data Science)

Board of Studies Meeting held on 15/10/2022 at 10.15AM

Agenda:

1. Finalization of R22 course structure with classification
2. Evaluation process
3. Discussion on CBT
4. New courses added in the curriculum



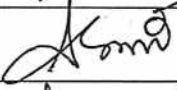
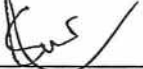
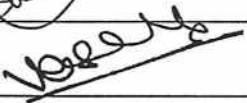
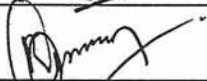
Minutes of Meeting


1. Course structure approval for R22 Regulation with following classification: HS with 11 credits. BS with 22 credits. ES with 23 credits. PC with 59 credits, PE with 18 credits, OE with 12, PW with 15
2. Each and every Semester constitutes, with 20 credits in total of 160 credits.
3. Internal evaluation for 40 Marks External Evaluation for 60 marks
4. No CBT for Internal Examination
5. Introduction to Data Science course incorporated in the Curriculum
6. Open electives are introduced in VI, VII and VIII in order to make the student in multi-disciplinary expertise
7. Professional electives which are related to Data Science area and the technology related to the industrial needs are introduced in V,VI,VII,VIII of students choice in order to meet choice based credit system
8. Project is introduced in VII and VIII semesters
9. Mandatory courses are introduced to enhance the skills of the student for societal needs.

Members


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S.No.	Member Name	Signature
1	Dr. G. Venkat Rami Reddy Professor of CSE, JNTUH-SIT	
2	Prof. R.B.V. Subramanyam Professor of CSE,	

	NIT Warangal	
3	Dr. M. A. Hammeed Professor of CSE, Osmania University -COE	
4	Mr. Roop Kumar Raju Industry Expert	
5	Dr. D.V. Ravi Shankar Principal, TKRCET	
6	Dr. A. Suresh Rao Dean Academics and HoD CSE, TKRCET.	
7	Dr. B. Sunil Srinivas Professor of CSE (AI&ML),and HoD TKRCET.	
8	Dr. V. Krishna Professor of CSE (DS) and HoD, TKRCET	
9	Dr. Rajesh Banala Professor of CSE(DS) Subject Expert CSE(DS),TKRCET.	


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MINUTES OF MEETING
BOARD OF STUDIES.
DEPT OF IT



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3

TKR College Of Engineering & Technology

1. Minutes Of meeting of framing syllabus : held at TKRCET chambers at 11:00 hrs on 6/8/2017

Agenda:

1. Approval of Academic Regulations
2. Approval of Common Syllabus for all branches of "Computer Programming in C".
3. Approval of Laboratory Experiments Lab.

Minutes Academic regulations from V Sem to VIII Sem to change credits

1. Data types should be in Introduction part.
2. Stacks & Queues concept must be discussed along with arrays.
3. To remove extra things like why, what etc.
4. Title should not be changed.
5. C++ Compiler to be made mandatory in Laboratory
II - II offer 27 credits ; IV - I add PE min 21 ; 27 min 21 ;
21 min 18.
6. II Year Mathematics - DS-2, C++-2, ADS-1 units ; oops-2, java-3
7. Approval of Course structures for II Year, III Year, IV year

Members present

1. Prof. S.V.L. Narasimham

2. Prof. R.B.V. Subramanyam

3. Prof. P. Radhakrishna

4. Prof. M.A. Hameed

5. D. A. Sreekanth Rao

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of Meetings of Board of Studies I.T department held
on 07/07/2018 at 11:30 hrs.

25

Course Structure for Academic year 2018-19

Ratification of 3rd & 4th year R17 Syllabus.

Ratification of Syllabus for C- Programming

Ratification of Syllabus for Computer Programming Lab.

points approved with Suggestive Corrections in the
course structure of academic year 2018-19.

Ratified 1st year C- Programming Syllabus for the
academic year 2018-19 with corrections

Ratified the Syllabus for 3rd & 4th year of R17.

Revision with some corrections

Ratified the Syllabus for Computer Programming Lab.
with some corrections

S.V.L. Narasimham

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R.B.V. Subramanyam

[Signature]

M.A. Hameed

[Signature]

K.M.V. Madan Kumar

[Signature]

A. Suresh Rao

[Signature]

J.Jyotsna

[Signature]

19-20



TKR COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous)

Minutes of meeting

Date: 27.07.2019

Minutes Recorded for Discussion in BOS.

1. Approved Syllabus for R17 & R18 in BOS.
2. All Departments should verify their IQAC Files before 1st of Aug.2019.
3. 1st Year orientation program shall be held from 5th Aug to 6th Aug.2019. Class work shall commence from 7th Aug .2019.
4. Permission for TKR-TEK Robotic Research Center in collaboration with ECIL is approved. Skill Development activity shall be held in 1st Floor of T-Block.
5. Ratification of Re-Organized course structure with minor modifications in Mechanical, Electrical and Electronics engineering & Electrical and communication engineering.
6. Result analysis has been briefly discussed. In the due course of time, subjects in which pass percentage is less than 70 remedial measures are suggested.
7. Streamlining of mentoring process across all departments.
8. Departments are hereby required to submit budget proposals for the A.Y 2019-2020 by 5th Aug.2019.

Members Present:

Name	Designation	Signature
Dr. D.V. Ravi Shankar	Principal	
Dr. A. Suresh Rao	Dean Academics, HOD CSE.	
Dr. Prem Sudha	HOD Civil	
Dr. D. Nageshwara Rao	HOD ECE, Controller of Examinations	
Dr. S. Narsimha	HOD EEE	
Dr. G. Gopala Krishna	HOD MECH	
Mrs. Jaya Lakshmi	IT-HOD	
Dr. D.V.S.R. Anil Kumar	H&S HOD	
Dr. B. Rajimikanth	H&S HOD	
U. Aswani Kumar	Additional Controller of Examinations	

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20/11/2019

3

Agenda points for Discussion with Chairman
Bos & HOD's on 20/11/2019.

- 1) Formulation of Program Specific Outcomes for individual Program in line to PO's.
- 2) Courses to be formulated to address POs 6, 7, 8.
- 3) Revision of Curriculum, in line to Industry needs.
- 4) AICTE Bridge Course gaps for Maths, Phy & Chemistry.
- 5) Formulation of Academic Committee.

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Resolution

1. The heads of Civil, EEE, Mech, IT have requested for funding to implement with PSO: ---
2. All depts have suggested for re-framing the rubrics according to the Program Outcomes focusing on G.A. Engineers & Society; Environment & Sustainability; Ethics; individual & team work; Communication & the same to be implemented for Existing R-16 in final year.
3. All the departments have proposed for revision in Curriculum from the Academic year 2020-2021.
4. Implementation of Bridge Courses in line to AICTE model.

S. Soma Raju

S. Soma Raju

2nd

S.V. Prasad

S.V. Prasad

Agenda

S. Ramesh

S. Ramesh

2nd
ms

V. Ravikumar

V. Ravikumar

1. Pa

2. Pa

M


3. Pa

Head Dept. of Information Technology
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4. Pa

5. Da

6. Da


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2nd Minute of Meeting, Depart

5
16/12/2018.

Agenda points : Approval of B.Tech 2nd year Syllabus

2nd year B.Tech Course Structure & Syllabus approved with minor modifications.

1. Prof. S.V.L. Narasimhan
2. Prof. R.B.V. Subramanyam
3. Prof. P. Ratha Krishna
4. Prof. M.A. Hameed
5. Dr. K.M.V. Madan Kumar
6. Dr. A. Suresh Rao,

Sirhan

R.B.V. Subramanyam

P. Ratha Krishna

M.A. Hameed

K.M.V. Madan Kumar

A. Suresh Rao

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Head Dept. of Information Technology
TKR College of Engineering & Technology
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B.TECH. INFORMATION TECHNOLOGY (2017-18)

COURSE STRUCTURE & SYLLABUS

V SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	A65PC1	Design and Analysis of Algorithms	4	0	0	4
2	A65PC2	Data Communication & Computer Networks	4	0	0	4
3	A65PC3	Software Engineering	4	0	0	4
4	A65HS4	Fundamentals of Management	3	0	0	3
5	A65OE5	Open Elective-I 1.Computer Graphics 2.Optimization Techniques 3.Principles of Electronic Communication	3	0	0	3
6	A65PE6	Professional Elective-I 1.Distributed Systems 2.Image Processing and Pattern Recognition 3.Information Security	3	0	0	3
7	A65PC7	Design and Analysis Of Algorithms Lab	0	0	2	2
8	A65PC8	Computer Networks Lab	0	0	2	2
9	A65PC9	Software Engineering Lab	0	0	2	2
10	A65MC5	*Professional Ethics →	0	3	0	0
		Total Credits				27

RB...
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P. R...

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TKR College of Engineering & Technology
(AUTONOMOUS)

Medbowli, Meerpet, Hyderabad- 500097.

R17

VI SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	A66PC1	Compiler Design	4	0	0	4
2	A66PC2	Web Technologies	4	0	0	4
3	A66PC3	Cryptography and Network Security	4	0	0	4
4	A66OE4	Open Elective-II 1. Soft Computing 2. Soft Skills and Interpersonal Skills 3. Fundamentals of Robotics	3	0	0	3
5	A66PE5	Professional Elective -II 1. Mobile Computing 2. Information Security Management (54) 3. Introduction To Analytics	3	0	0	3
6	A66PE6	Professional Elective-III 1. Object Oriented Analysis and Design 2. Computer Forensics 3. Advanced Operating Systems	3	0	0	3
7	A66HS7	Advanced Communication Skills Lab	0	0	2	2
8	A66PC8	Web Technologies Lab	0	0	2	2
9	A66PC9	Cryptography and Network Security Lab	0	0	2	2
10	A66MC6	*Constitution Of India	0	3	0	0
		Total Credits				27

* Satisfactory/ Unsatisfactory

RSR

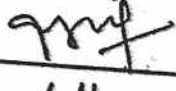

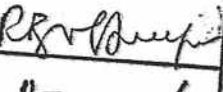
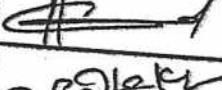
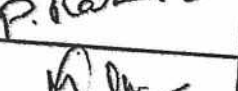
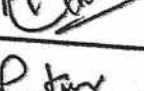
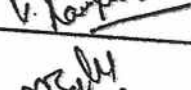

P. Ratan


Shilpa

[Signature]

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BOS MEMBERS

S.No	Name	Designation	Signature
1	T.Madhumathi	Chairman	
2	Dr.S.V.L.Narasimham	University Member	
3	Dr.R.B.V.Subramanyam	Subject Expert	
4	Dr.M.A.Hameed	Subject Expert	
5	Dr.P.Radha Krishna	Industry Expert	
6	Dr.K.M.V.Madan Kumar	Head of the Department	
7	Mr.V.Ravi Kumar	Senior Faculty	
3	Mr.M.Bala Krishna	Co-Ordinator	


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TKR COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous)
DEPARTMENT OF INFORMATION TECHNOLOGY

R-17 (4-1)

COURSE STRUCTURE & SYLLABUS

B.Tech. VII SEMESTER

S.No	Course Code	Course Title	L	T	P	Credits
1	A67PC1	Data Warehousing & Data Mining ✓	4	0	0	3
2	A67PC2	Linux Programming ✓	4	0	0	3
3	A67PC3	Machine Learning / Python ✓	4	0	0	3
4		Open Elective-III	3	0	0	3
5	A67PE5	Professional Elective-IV 1.Information Security Assessments And Audits (SA-II) 2.Big Data Analytics-II 3.Human Computer Interaction ✓	3	0	0	3
6	A67PE6	Professional Elective-V 1.Semantic Web & Social Networks 2. Cloud Computing 3.Distributed Databases ✓	3	0	0	3
7	A67PE7	Professional Elective-VI 1.Software Process And Project Management ✓ 2.Artificial Intelligence 3.E-Commerce	3	0	0	3
8	A67PC7	Data Warehousing & Data Mining Lab ✓	0	0	3	2
9	A67PC8	Linux Programming Lab ✓	0	0	3	2
10	A67PC9	Cutting Edge Technologies Lab(R Language & Python Techniques) ✓ Python Lab ✓	0	0	3	2
		Total Credits				27

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VIII SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	A68PE1	Professional Elective-VI 1.Design Patterns 2.Internet Of Things ✓ 3.Advanced Computer Architecture	3	0	0	3
2	A68PE2	Professional Elective-VII 1.Predictive Analytics ✓ 2.Information Security Incident Response And Management (SA-III) 3.Software Testing Methodologies	3	0	0	3
3	A68PE3	Professional Elective-VIII Open Elective-IV 1.Software Process And Project Management 2.Artificial Intelligence 3.E-Commerce	3	0	0	3
4	A68PW4	Industry Oriented Mini Project	0	0	4	2
5	A68SE5	Seminars	0	0	4	2
6	A68CV6	Comprehensive Viva	0	0	4	2
7	A68PW7	Major Project	0	0	18	9
Total Credits						24

100M
50T
100

* Satisfactory/Unsatisfactory

RRR Banupur
Jadhav
P. Reddy



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Mini

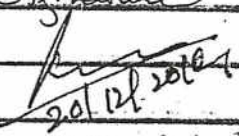
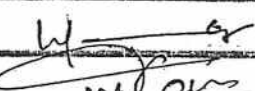
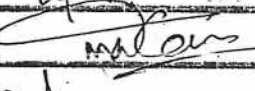
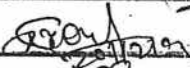

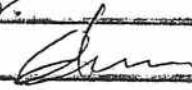
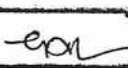
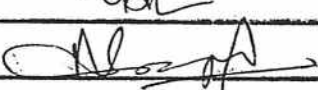
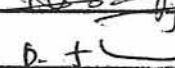

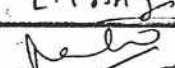
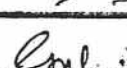

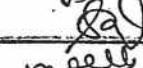


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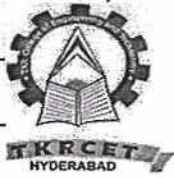
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Name
Dr. D.V.
Dr. A. Su
Dr. Prem
Dr. D. Na
Dr. S. Na
Dr. G. Go
Mrs. Jaya
Dr. D.V.S
Dr. B. Raj
U. Aswani

5. Restructuring Formulation of Academic Committee department wise with 5 members. ~~with~~ Composition of HOD; IQAC Coordinator; BOS chairman; 1/2 - Senior faculty from the department; if necessary a Senior faculty from other department as optional.

Members Present.

S.No.	Name	Dept	Design.	Signature
01.	Dr. D.V. Ravishankar	Mech	Principal	
02	Dr. R. Premshelha	Civil	HOD	Dr. R. Premshelha
03	Dr. D. Maheshwarkar	ECE	HOD	
04	Dr. M.A. Malen	Mech	BOS chair	
05	Dr. C. Navaraha	EEE	HOD	
06	Dr. M.T. Dorender	CSE	IQAC COORDINATOR	
07	B. Sharath Kumar	CSE	BOS member	
08	Dr. G. Gopala Krishna	ME	HOD	
09	Dr. N. Laljanarayer	IT	HOD	
10	Dr. A.V.S.R. Anil Kumar	Mech	Asst	
11.	Dr. Amit Gangopadhyay	ECE	Professor	
12.	Dr. L. Prinja	ECE	Professor	L. Prinja
	Dr B - Renuka	MBA	HOD	
	K. Ganeswarai	MBA	BOS member	
	KVR Satya Sai	Civil	BOS chairman	
	Dr. V. Krishna	CSG	PROFESSOR	
	P. Madhumathi	IT	BOS chairperson	
	Dr. A. Suresh Babu	CSE	Dean Academics	



TKR COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Information Technology

Minutes of meeting

Date: 29/08/2020


Minutes of Recorded for Discussion in BOS.

1. Data structures category has been changed to engineering sciences.
2. AI & cyber security is to be made mandatory as open electives for all branches as per UGC & AICTE Norms as they are emerging Technologies.
3. All Department Heads are instructed to look into any intended syllabus changes for R20 Regulation.
4. All HOD's are instructed to present their syllabus, change in structure, degree of improvement, any Title changes, credit changes etc. for R20 Regulation in the upcoming meeting.
5. Any changes to syllabus structure in R20 regulation should be notified to all the HOD's, Principal & Dean Academics through Email & should be put up for discussion in the next meeting.
6. Content syllabus should not exceed 48 hours/60 periods at maximum.
7. Emphasis on quality improvement has to be looked into by all department HOD's.

Members Present:

1. Dr. D. V. Ravi Shankar, Principal
2. Dr. A. Suresh Rao, Vice principal & HOD/CSE
3. Dr. D. Nageshwar Rao, ECE HOD
4. Dr. D.V.S.R. Anil Kumar, H&S HOD
5. Dr. B. Rajinikanth, H&S HOD
6. Dr. G. Gopala Krishna, MECH HOD
7. Mr. K.V.S.R. Satya Sai, I/C CIVIL HOD
8. Dr. N. Satyanarayana, IT HOD
9. Dr. S. Narasimha, EEE HOD
10. Dr. B. Renuka, MBA HOD


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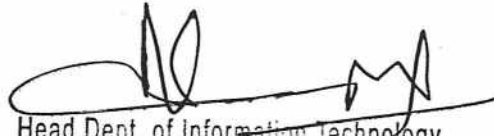
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Department of Information Technology

Board of Studies

S. No	Name	Designation	Role
1	Dr. N. Satyanarayana	Professor, and Head Dept of IT, TKRCET.	Chairman
2	Dr.R.B.V.Subramanyam	Professor, Dept of CSE, NIT-Warangal	Subject Expert
3	Dr. Hameed	Professor, Dept of CSE, Osmania University	Subject Expert
4	Prof. G. Venkatram Reddy	Professor, SIT, JNTUH, Kukatpally, Hyderabad.	University Nominee
5	Dr. V. Sree Kumar	Senior Manager, E& R Dept Infosys. PVT. LTD., Hyderabad.	Industry Representative
6	V. Ravi Kumar	Assoc. Prof. , Dept of IT, TKRCET.	Member
7	C. Jaya Lakshmi	Assoc. Prof. , Dept of IT, TKRCET.	Member


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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 21/11/2020

MINUTES OF THE MEETING

The members of Board of Studies of the Department of Information Technology are met on 21/11/2020 at about 2:00PM in the Department of information Technology to discuss the following agenda points.

Agenda:

1. Approval of course structure for Information Technology – R20 Regulation.
2. Approval of Detailed Syllabus of I and II year R20 Regulation.
3. Any other matter approval with the permission of the members.

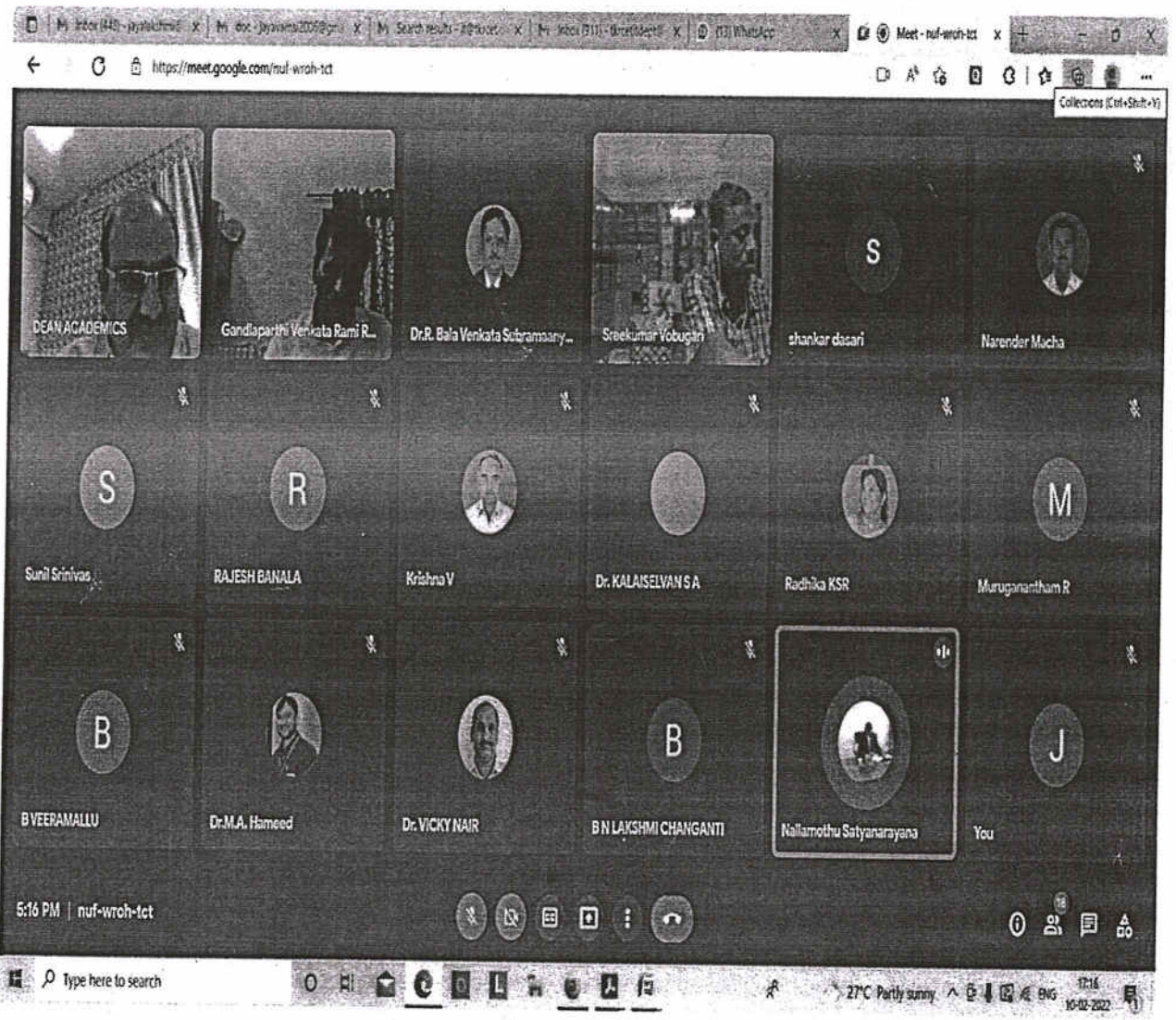
Resolution 1: As per the agenda item number 1, the committee members are verified the course structure prepared by the department as per the guide lines of AICTE and JNTUH for four years of B.Tech Information Technology Program under R20 Regulation. After verification the committee members are approved the same for implementation.

Resolution 2: As per the agenda item number 2, All the committee members are gone through the Detailed Syllabus prepared by the department or the I and II years under the R20 Regulation. After careful observation of each course, the members are given approval for the syllabus of I and II year under R20 Regulation.

Resolution 3: The committee members are suggested to increase the practical exposer for each subject based on the necessity.

Members present to the meeting

		Signature of Member
1. Dr.D.V RaviShankar	Principal	
2. Prof.R.B.V.Subramaanyam	External Subject Expert-I	Apologies
3. Dr.M.A.Hameed	External Subject Expert-II	
4. Dr.G.Venkata Rami Reddy	University Nominee (Subject Expert)	
5. Dr.V.Sreekumar	Industry Expert	Apologies
6. Dr.A.Suresh Rao	Dean Academics	
7. Mr.R.Muruganantham	Internal Subject Expert	
	Mrs.C. Jayalakshmi Chairman BOS Dept. of IT	
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		Dr.N.Satyamarayai HOD of IT



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Head Dept. of Information Technology
TKR College of Engineering & Technology
Medbowli, Meerpeta, Hyderabad- 500097-TS.

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**B.TECH – INFORMATION TECHNOLOGY
Course Structure R-20**

SEMESTER I

S.No.	Class	Course Code	Name of the Subject	L	T	P	C
1	BS	CBSM2	Linear Algebra & Graph Theory	3	0	0	3
2	HS	CHSE1	English	2	0	0	2
3	BS	CBSC7	Chemistry	3	1	0	4
4	ES	CESEG1	Engineering Graphics	1	0	4	3
5	ES	CESCP1	C Programming for Problem Solving	3	0	0	3
6	HS	CHSE2	English Language & Communication Skills Lab	0	0	2	1
7	BS	CBSC8	Chemistry Lab	0	0	3	1.5
8	ES	CESCP2	C Programming for Problem Solving Lab	0	0	3	1.5
9	MC	MC001	Sports	0	0	0	Satisfactory
Total Credits							19

Mandatory Course: SPORTS

The students need to participate in any physical activity such as sports, marathon, conducted by any college or any organization, students should produce participation certificate for clearing this course.

SEMESTER II

S.No.	Class	Course Code	Name of the Subject	L	T	P	C
1	BS	CBSM1	Ordinary Differential Equations & Vector Calculus	3	0	0	3
2	BS	CBSP1	Applied Physics	3	1	0	4
3	ES	CESBE2	Basic Electrical Engineering	3	0	0	3
4	ES	CESSD1	Semi-Conductor Devices & Circuits	3	0	0	3
5	BS	CBSP2	Applied Physics Lab	0	0	3	1.5
6	ES	CESBE4	Basic Electrical & Simulation Lab	0	0	3	1.5
7	ES	CESSD2	Semi-Conductor Devices & Circuits Lab	0	0	3	1.5
8	ES	CESIT1	IT Workshop	0	0	3	1.5
9	MC	MC002	Yoga	0	0	0	Satisfactory
Total Credits							19

Mandatory Course: YOGA

The student should undergo yoga meditation course offered by any organization or conducted by any college. Student should produce the completion certificate for clearing this course.

Chairman *Jayz*

Subject Expert *R.R. Ranga*

2. Subject Expert *[Signature]*

4. Subject Expert *[Signature]*

University Nominee: *G.V. [Signature]*

6. Industry Representative *[Signature]*

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Member: *V. Rautu*

Head of IT *[Signature]*



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VI

**B.TECH – INFORMATION TECHNOLOGY
Course Structure R-20**

SEMESTER III

S.No.	Class	Course Code	Name of the Subject	L	T	P	C
1	HS	CHSM1	Business Economics and Financial Analysis	3	0	0	3
2	BS	CBSM4	Mathematical Foundation of Computer Science	3	0	0	3
3	ES	CESDS1	Data Structures	3	0	0	3
4	PC	C63PC1	Digital Logic Design	3	0	0	3
5	PC	C63PC2	Operating Systems	3	0	0	3
6	PC	C63PC3	Linux Programming	3	0	0	3
7	ES	CESDS2	Data Structures Lab	0	0	2	1
8	PC	C63PC4	Linux/Operating Systems Lab	0	0	4	2
9	MC	MC003	Cultural Activity	0	0	0	Satisfactory
Total Credits				18	0	6	21

Mandatory Course: Cultural Activity

The student should participate in culture activity (Music/Dance/Singing/etc.) conducted by the College, student should produce the participation certificate for clearing this course.

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SEMESTER IV

S.No.	Class	Course Code	Name of the Subject	L	T	P	C
1	BS	CBSM3	Probability & Statistics	3	0	0	3
2	PC	C64PC1	Computer Organization	3	0	0	3
3	PC	C64PC2	Database Management Systems	3	0	0	3
4	PC	C64PC3	Java Programming	3	0	0	3
5	PC	C64PC4	Design and Analysis of Algorithms	3	0	0	3
6	PC	C64PC5	Formal Languages and Automata Theory	3	0	0	3
7	PC	C64PC6	Java Programming Lab	0	0	3	1.5
8	PC	C64PC7	Database Management Systems Lab	0	0	3	1.5
9	MC	MC004	Video with Social Messages	0	0	0	Satisfactory
Total Credits				18	0	6	21

Mandatory Course: Video with Social Messages

Student should make video with social messages. This has to be uploaded in the youtube.com, by maintaining the terms and conditions of youtube.com. Student should produce youtube.com link with screen shot for clearing this mandatory course.

1. chairman Jayk
2. Subject Expert H
3. subject expert R.R. Dey
4. Subject Expert S.M.S
5. University nominee G.V.K
6. Industry Representative A.K.



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INFORMATION TECHNOLOGY

Course Structure R-20

SEMESTER V

S. No	Class	Course Code	Name of the Subject	L	T	P	C
1	PC	C65PC1	Software Engineering	3	0	0	3
2	PC	C65PC2	Python Programming	3	0	0	3
3	PC	C65PC3	Compiler Design	3	0	0	3
4	PC	C65PC4	Computer Networks	3	0	0	3
5	PC	C65PC5	Object Oriented Analysis and Design	3	0	0	3
6	OE	C65OE6	Open Elective-I	3	0	0	3
7	PC	C65PC7	Object Oriented Analysis and Design Lab	0	0	3	1.5
8	PC	C65PC8	Python Programming Lab	0	0	3	1.5
9	MC	MC005	MOOCs/Online Course	0	0	0	S
Total Credits							21

Mandatory Course: MOOCs/Online Course

The student should register for any one of the MOOCs course offered by NPTEL, COURSERA, UDEMY, student should submit the completion certificate to clear this course.

Internal Subject Expert

Name: Dr.R.Muruganantham

Signature:

External Subject Expert-I

Name: Prof.R.B.V.Subramaanyam

Signature:

External Subject Expert-II

Name: Dr.M.A.Hameed

Signature:

Industry Expert

Name: Dr.V.Sree Kumar

Signature:
HOD

Dr. N. Satyanarayana

University Nominee (Subject Expert)

Name: Dr.G.Venkata Rami Reddy

Signature:

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Medbowli, Meerpet, Hyderabad- 500097.

Chairman BOS

Mrs. C. Jaya Lakshmi



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**INFORMATION TECHNOLOGY
Course Structure R-20**

SEMESTER VI

S. No	Class	Course Code	Name of the Subject	L	T	P	C
1	HS	CHSM2	Fundamentals of Management	3	0	0	3
2	PC	C66PC1	Web Technologies	3	0	0	3
3	OE	C66OE2	Open Elective-II	3	0	0	3
4	PE	C66PE3	Professional Elective- I 1) Advanced Databases 2) Network Programming 3) Stack Technologies	3	0	0	3
5	PE	C66PE4	Professional Elective- II 1) Distributed Databases 2) Wireless Networks 3) Mobile Application Development	3	0	0	3
6	HS	CHSE3	Advanced English Communication Skills Lab	0	0	3	2
7	PC	C66PC5	Web Technologies Lab	0	0	2	1
8	PW	C66PW6	Mini Project	0	0	4	2
9	MC	MC006	1. Personality Development/Skill Development/ 2. Technical Events 3. Internships	0	0	0	S

Total Credits

20

Mini Project: Every Student should submit the Mini Project report on any of the "Emerging Technologies" in the prescribed format through which the student understands the fundamentals through practical application of theoretical concepts.

Mandatory Course : The satisfactory report should be submitted either for 1 or 2 or 3 given below.

1. Personality Development/Skill Development: Student should participate in personality development/communication skills programme, student should submit the completion certificate for clearing this course.
2. Technical Events: The student should participate in any technical event organized by any College /Organization /Industry and submit the participation certificate for clearing this course.
3. Internships: The Student should submit the completion certificate from the respective organization. Where he/she performs their internship.

Internal Subject Expert

Name: Dr.R.Muruganantham

Signature:

Industry Expert

Name: Dr. V. Sreekuamar

Signature:

HOD
Dr. N. Satyanarayana

External Subject Expert-I

Name: Prof.R.B.V.Subramaanyam

Signature:

University Nominee (Subject Expert)

Name: Dr.G.Venkata Rami Reddy

Signature:

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External Subject Expert-II

Name: Dr.M.A.Hameed

Signature:

Chairman BOS

Mrs. C. Jaya Lakshmi



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**INFORMATION TECHNOLOGY
Course Structure R-20**

SEMESTER VII

S. No	Class	Course Code	Name of the Subject	L	T	P	C
1	PC	C67PC1	Data Warehousing and Data Mining	3	0	0	3
2	PC	C67PC2	Information Security	3	0	0	3
3	OE	C67OE3	Open Elective-III	3	0	0	3
4	PE	C67PE4	Professional Elective- III 1) Introduction to Data Analytics 2) Mobile Adhoc Networks 3) Multimedia & Rich Internet Applications	3	0	0	3
5	PE	C67PE5	Professional Elective- IV 1) Big Data Analytics 2) Social Networks 3) Internet of Things	3	0	0	3
6	PC	C67PC6	Data Warehousing and Data Mining Lab	0	0	4	2
7	PW	C57PW7	Comprehensive Viva	0	0	0	1
8	PW	C67PW8	Major Project Phase-I	0	0	4	2
9	MC	MC007	Competitive Exams	0	0	0	S

Total Credits

20

Comprehensive Viva: The Comprehensive Viva is intended to assess the students understanding of the subjects they studied during the B.Tech course of Study. The Comprehensive Viva is evaluated for 100 marks by the committee, there are no Internal marks for the Comprehensive Viva. The student should secure 50 marks to pass the exam. If any student fails in the exam he has to register as offered.

Major Project Phase I: Students can form a group of minimum of two or maximum of four under the allocated guide, students group should choose a project title, for the chosen project title carryout a detailed literature survey, problem formulation, planning higher level design. The project evaluation will be Continuous Internal Evaluation will be made by the PRC Committee. The PRC committee consists of Head, Project Coordinator, One Senior Professor, One Associate Professor, and guide.

Mandatory Course: Competitive Exams: For completion of this course the student can submit the proof of appearing the competitive exams like, GATE, IELTES, GRE, TOEFL, CDAC, CDS, CAT, or any examination organized by NATIONAL TESTING AGENCY (NTA), or college in the level of NTA.(or)The student should request for the provision of conducting Technical Seminar by the department. The topic of seminar should be the current technology of respective Engineering Branch. The evaluation will be done by the Departmental Academic Committee (DAC) based on rubrics framed.

Internal Subject Expert

Name: Dr.R.Muruganatham

Signature:

External Subject Expert-I

Name: Prof.R.B.V.Subramaanyam

Signature:

External Subject Expert-II

Name: Dr.M.A.Hameed

Signature:

Industry Expert

Name: Dr.V.Sreekumar

Signature:

University Nominee (Subject Expert)

Name: Dr.G.Venkata Rami Reddy

Signature:

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**INFORMATION TECHNOLOGY
Course Structure R-20**

SEMESTER VIII

S. No	Class	Course Code	Name of the Subject	L	T	P	C
1	OE	C68OE1	Open Elective-IV	3	0	0	3
2	PE	C68PE2	Professional Elective- V 1) Predictive Data Analytics 2) Storage Area Networks 3) Machine Learning	3	0	0	3
3	PE	C68PE3	Professional Elective- VI 1) Data Science 2) Semantic Web & Social Networks 3) Deep Learning	3	0	0	3
4	PW	C68PW4	Major Project Phase II	0	0	20	10
Total Credits							19

Major Project Phase II: The approved project in Major Project Phase I should be implemented, student should submit the progress of his implementation work in 2 phases, to the PRC (Project Review Committee). The PRC consists of Head, Project Coordinator, One Senior Professor, One Associate Professor, and guide. Upon approval in both the phases, the student is eligible to submit the final project report by completing proper documentation to the external viva voce.

Internal Subject Expert

Name: Dr.R.Muruganantham

Signature:

External Subject Expert-I

Name: Prof.R.B.V.Subramaanyam

Signature:

External Subject Expert-II

Name: Dr.M.A.Hameed

Signature:

Industry Expert

Name: Dr.V.Sreekumar

Signature:

University Nominee (Subject Expert)

Name: Dr.G.Venkata Rami Reddy

Signature:

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Dr. N. Satyanarayana

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Chairman BOS

Mrs. C. Jaya Lakshmi



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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 10/02/2022

MINUTES OF THE MEETING

The members of Board of Studies of the Department of Information Technology are met on 10/02/2022 at about 11:00AM in the Department of information Technology to discuss the following agenda points.

Agenda:

1. Approval of detailed syllabus for III and IV year B.Tech - R20 Regulation.
2. Approval of open elective subjects based on the student choice or interest.
3. Any other mater approval with the permission of the members.

Resolution 1: As per the agenda item number 1 the committee members gone to the syllabus of each course of third and fourth year B.Tech under R20 Regulation and given approval for the same.

Resolution 2: As per the agenda item number 2 the committee members are identified open elective subjects from the other departments based on the student choice, which are
1. Artificial Neural Network, 2. Principles of Electronics Communications
3.Embedded system design 4.Telecommunication Switching System and Networks
5. Data Communication 6. Information Theory and Coding.

Resolution 3: All the committee members are advised to include data science related packages like Numpy, Pandas and Matplotlib.

Members present to the meeting

- | Members present to the meeting | Signature of Member |
|--------------------------------|-------------------------------------|
| 1. Dr.D.V RaviShankar | Principal |
| 2. Prof.R.B.V.Subramaanyam | External Subject Expert-I |
| 3. Dr.M.A.Hameed | External Subject Expert-II |
| 4. Dr.G.Venkata Rami Reddy | University Nominee (Subject Expert) |
| 5. Dr.V.Sreekumar | Industry Expert |
| 6. Dr.A .Suresh Rao | Dean Academics |
| 7. Mr.R.Muruganantham | Internal Subject Expert |

Signature of Member

[Signature]

Apologies

[Signature]

[Signature]

Apologies

[Signature]

[Signature]

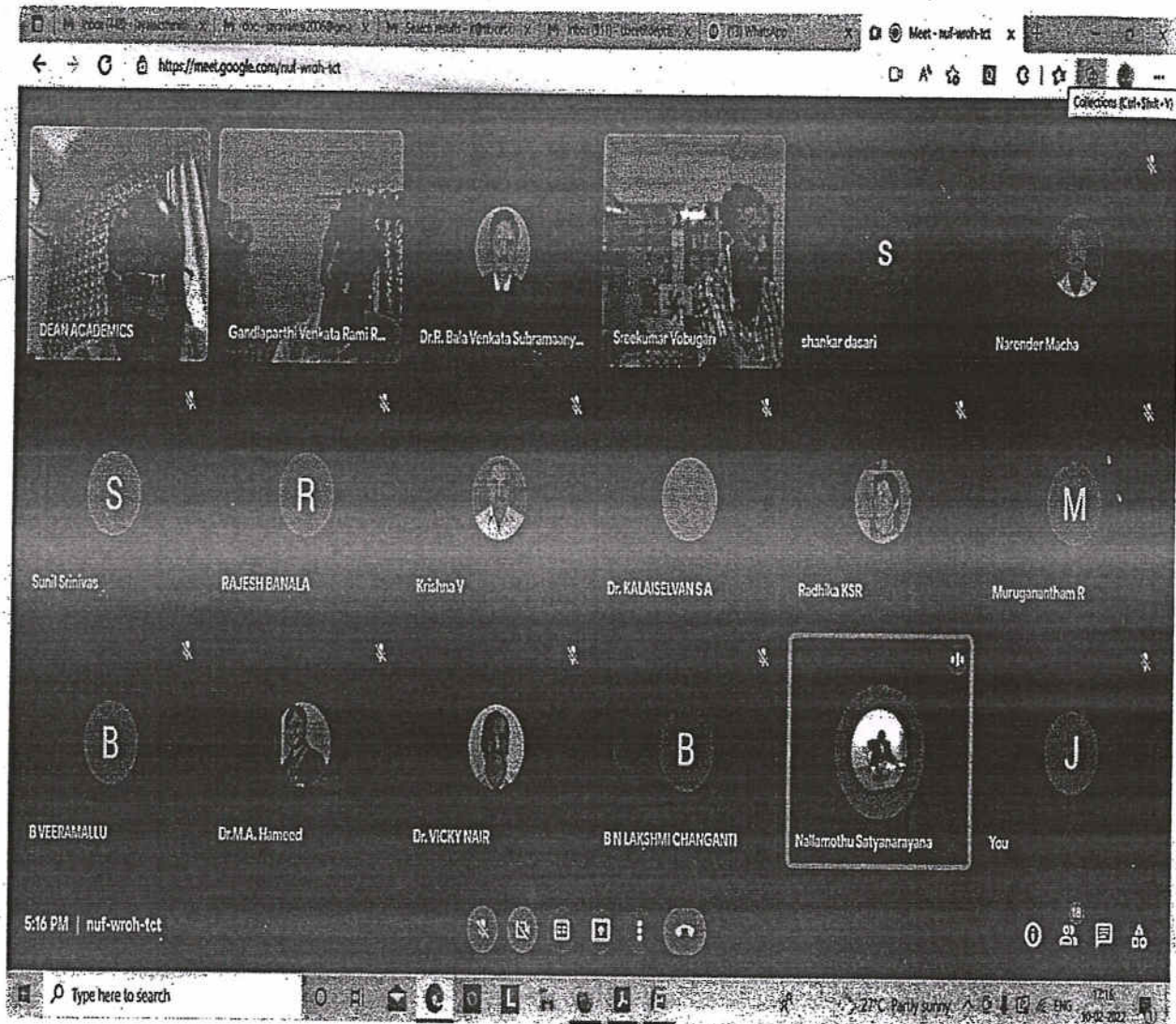
[Signature]
Dr.N.Satyanaray
HOD of IT


[Signature]
Mrs.C. Jayalakshmi
Chairman BOS
Dept. of IT


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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 15/10/2022

MINUTES OF THE MEETING

The members of Board of Studies of the Department of Information Technology are met on 15/10/2022 at about 11:00AM to discuss the Revision of the Course Structure and Syllabus from R20 to R22.

The following are the agenda points:

1. To add programming skills and Application oriented syllabus required to the R22.
2. Subjects which are related to the GATE Examinations need to be revised.
3. The Evaluation processes for internal and external examinations need to modify 40:60 ratios following the university regulations.
4. To place more placements industry oriented subjects are need to introduce.
5. Approval for Python programming and Lab, IT Essential Lab, Web Technologies and Lab, Internet of Things and Lab, Machine Learning and Lab, Data Science Lab.
6. The detailed Syllabus related to first year and Second year of B.Tech Program of R22

Resolution: The BoS members are carefully discussed and observed the above agenda points from 1 to 6, and then approved to follow the Classification Course Structure and detailed syllabus.

The Following BoS members are attended to the meeting:

		Signature of Member
1. Dr.D.V RaviShankar	Principal	
1. Prof.R.B.V.Subramaanyam	External Subject Expert-I	
2. Dr.M.A.Hameed	External Subject Expert-II	
3. Dr.G.Venkata Rami Reddy	University Nominee (Subject Expert)	
4. Dr.V.Sreekumar	Industry Expert	
5. Dr.A.Suresh Rao	Dean Academics	 15/10/22
6. Mr.V.Ravikumar	Internal Subject Expert	

Dr.N.Satyanarayana
HOD of IT 15/10/22

Dr.R.Muruganantham
Chairman BOS
15/10/22



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DEPARTMENT OF INFORMATION TECHNOLOGY

B.TECH – Course Structure R-22

SEMESTER I

S.No.	Course Classification	Course Code	Name of the subject	L	T	P	C	I	E	Total
1	BSC		Engineering Mathematics	3	1	0	4	40	60	100
2	BSC		Applied Physics	3	1	0	4	40	60	100
3	ESC		Problem Solving using C Programming	3	0	0	3	40	60	100
4	ESC		Basic Electrical Engineering	3	0	0	3	40	60	100
5	ESC		Computer Aided Engineering Graphics	1	0	4	3	40	60	100
6	BSC		Applied Physics Laboratory	0	0	2	1	40	60	100
7	ESC		Problem Solving using C Programming Laboratory	0	0	2	1	40	60	100
8	ESC		Basic Electrical Engineering Laboratory	0	0	2	1	40	60	100
10	MC		Induction Program	1 Week			S	-	-	-
TOTAL				13	2	10	20			

V. Ravikumar
Internal Subject Expert
Name: V. Ravikumar

Signature:

R.B.V. Subramaanyam
External Subject Expert-I
Name: Prof. R.B.V. Subramaanyam

Signature:

Dr. M.A. Hameed
External Subject Expert-II
Name: Dr. M.A. Hameed

Signature:

Industry Expert
Name: Dr. V. Sreekumar

Signature:

University Nominee (Subject Expert)
Name: Dr. G. Venkata Rami Reddy

Signature:

Dr. N. Satyanarayana
HOD
15/12/2022
Dr. N. Satyanarayana

Dr. R. Muruganatham
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Dr. R. Muruganatham
Chairman BOS
15/12/2022
Dr. R. Muruganatham



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DEPARTMENT OF INFORMATION TECHNOLOGY

B.TECH – Course Structure R-22

SEMESTER II

S.No.	Course Classification	Course Code	Name of the subject	L	T	P	C	I	E	Tot
1	BSC		Statistical Methods and Vector Calculus	3	1	0	4	40	60	100
2	BSC		Applied Chemistry	3	1	0	4	40	60	100
3	HSC		Professional English	2	0	0	2	40	60	100
4	ESC		Python Programming	3	0	0	3	40	60	100
5	ESC		Semiconductor Devices and Circuits	2	0	0	2	40	60	100
6	BSC		Applied Chemistry Laboratory	0	0	2	1	40	60	100
7	HSC		English Language and Communication Skills Laboratory	0	0	2	1	40	60	100
8	ESC		Python Programming Laboratory	0	0	2	1	40	60	100
9	ESC		Semiconductor Devices and Circuits Laboratory	0	0	2	1	40	60	100
	ESC		IT Workshop Laboratory	0	0	2	1	40	60	100
TOTAL				13	2	10	20	-	-	-

V Ravikumar
Internal Subject Expert
Name: V.Ravikumar

Signature:

R.B.V. Subramaanyam
External Subject Expert-I
Name: Prof.R.B.V.Subramaanyam

Signature:

Dr. M.A. Hameed
External Subject Expert-II
Name: Dr.M.A.Hameed

Signature:

Industry Expert
Name: Dr.V.Sreekumar

Signature:

University Nominee (Subject Expert)
Name: Dr.G.Venkata Rami Reddy

Signature:

Dr. N. Satyanarayana
HOD
Dr.N.Satyanarayana 15/7/2022

Dr. R. Muruganantham
Chairman BOS
Dr.R.Muruganantham 15/7/2022

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DEPARTMENT OF INFORMATION TECHNOLOGY

B.TECH – Course Structure R-22

SEMESTER III

S.No.	Course Classification	Course Code	Name of the subject	L	T	P	C	I	E	Total
1	BSC		Probability & Statistics	3	1	0	4	40	60	100
2	HSC		Business Economics & Financial Analysis	3	0	0	3	40	60	100
3	ESC		Computer Organization and Architecture	3	0	0	3	40	60	100
4	PCC		Data Structures	3	0	0	3	40	60	100
5	PCC		Object Oriented Programming through Java	3	0	0	3	40	60	100
6	PCC		Data Structures Laboratory	0	0	3	1.5	40	60	100
7	PCC		Object Oriented Programming through Java Laboratory	0	0	3	1.5	40	60	100
8	ESC		IT Essentials Laboratory	0	0	2	1	40	60	100
9	MC		Gender Sensitization Laboratory	0	0	2	S	-	-	-
TOTAL				15	1	10	20	-	-	-

V.Ravikumar
Internal Subject Expert
Name: V.Ravikumar

Signature:

R.B.V. Subramanyam
External Subject Expert-I
Name: Prof.R.B.V.Subramanyam

Signature:

Dr.M.A.Hameed
External Subject Expert-II
Name: Dr.M.A.Hameed

Signature:

Industry Expert
Name: Dr. V.Sreekumar
Dr. V. Sreekumar
Signature:

University Nominee (Subject Expert)
Name: Dr.G.Venkata Rami Reddy
Dr. G. Venkata Rami Reddy
Signature:

Dr. N. Satyanarayana
HOD 15/10/2022
Dr.N.Satyanarayana

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DEPARTMENT OF INFORMATION TECHNOLOGY

B.TECH – Course Structure R-22

SEMESTER IV

S.No.	Course Classification	Course Code	Name of the subject	L	T	P	C	I	E	Total
1	PCC		Discrete Mathematics	3	0	0	3	40	60	100
2	PCC		Web Technologies	3	0	0	3	40	60	100
3	PCC		Operating Systems	3	0	0	3	40	60	100
4	PCC		Database Management Systems	3	0	0	3	40	60	100
5	PCC		Design and Analysis of Algorithms	3	1	0	4	40	60	100
6	PCC		Operating Systems Laboratory	0	0	2	1	40	60	100
7	PCC		Database Management Systems Laboratory	0	0	3	1.5	40	60	100
8	PCC		Web Technologies Laboratory	0	0	3	1.5	40	60	100
9	MC		Environmental Science	3	0	0	S	-	-	-
TOTAL				18	1	08	20	-	-	-

V. Ravikumar
Internal Subject Expert
Name: V. Ravikumar

Signature:

R.B.V. Subramaanyam
External Subject Expert-I
Name: Prof. R.B.V. Subramaanyam

Signature:

Dr. M.A. Hameed
External Subject Expert-II
Name: Dr. M.A. Hameed

Signature:

Industry Expert
Name: Dr. V. Sreekumar

Signature:

University Nominee (Subject Expert)
Name: Dr. G. Venkata Rami Reddy

Signature: *G. V. Rami Reddy*

Dr. N. Satyanarayana
HOB
Dr. N. Satyanarayana 15/11/22

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DEPARTMENT OF INFORMATION TECHNOLOGY

B.TECH – Course Structure R-22

SEMESTER V

S.No.	Course Classification	Course Code	Name of the subject	L	T	P	C	I	E	Total
1	HSC		Fundamentals of Management	3	0	0	3	40	60	100
2	PCC		Computer Networks	3	0	0	3	40	60	100
3	PCC		Internet of Things	3	0	0	3	40	60	100
4	OEC		Open Elective-I	3	0	0	3	40	60	100
5	PEC		Professional Elective-I	2	0	2	3	40	60	100
6	PEC		Professional Elective –II	2	0	2	3	40	60	100
7	PCC		Computer Networks Laboratory	0	0	2	1	40	60	100
8	PCC		Internet of Things Laboratory	0	0	2	1	40	60	100
9	MC		Intellectual Property Rights	3	0	0	S	-	-	-
TOTAL				19	0	08	20	-	-	-

V. Ravikumar
Internal Subject Expert
Name: V. Ravikumar

Signature:

R.B.V. Subramaanyam
External Subject Expert-I
Name: Prof. R. B. V. Subramaanyam

Signature:

Dr. M. A. Hameed
External Subject Expert-II
Name: Dr. M. A. Hameed

Signature:

Industry Expert
Name: Dr. V. Sree Kumar
Dr. V. Sree Kumar
Signature:

University Nominee (Subject Expert)
Name: Dr. G. Venkata Rami Reddy
Dr. G. Venkata Rami Reddy
Signature:

Dr. N. Satyanarayana
HOD
Dr. N. Satyanarayana 15/10/22

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B.TECH – Course Structure R-22

SEMESTER VI

S.No.	Course Classification	Course Code	Name of the subject	L	T	P	C	I	E	Tota
1	PCC		Machine Learning	3	0	0	3	40	60	100
2	PCC		Data Mining and Data Warehousing	3	0	0	3	40	60	100
3	PCC		Automata Theory and Compiler Design	3	0	0	3	40	60	100
4	PEC		Professional Elective – III	2	0	2	3	40	60	100
5	OEC		Open Elective-II	3	0	0	3	40	60	100
6	PCC		Machine Learning Lab	0	0	2	1	40	60	100
7	PCC		Data Mining and Data Warehousing Lab	0	0	2	1	40	60	100
8	PCC		Data Science Lab	0	0	2	1	40	60	100
9	HSC		Advanced English Communication Skills Lab	0	1	2	2	40	60	100
10	MC		Constitution of India	3	0	0	S	-	-	-
TOTAL				17	1	10	20	-	-	-

V. Ravikumar
Internal Subject Expert
Name: V. Ravikumar

Signature:

R.B.V. Subramaanyam
External Subject Expert-I
Name: Prof. R. B. V. Subramaanyam

Signature:

Dr. M. A. Hameed
External Subject Expert-II
Name: Dr. M. A. Hameed

Signature:

Industry Expert
Name: Dr. V. Sree Kumar

Signature:

University Nominee (Subject Expert)
Name: Dr. G. Venkata Rami Reddy

Signature:

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**DEPARTMENT OF INFORMATION TECHNOLOGY
B.TECH – Course Structure R-22**

SEMESTER VII

S.No.	Course Classification	Course Code	Name of the subject	L	T	P	C	I	E	Total
1	PCC		Object Oriented Analysis and Design	3	0	0	3	40	60	100
2	PEC		Professional Elective -IV	2	0	2	3	40	60	100
3	PEC		Professional Elective -V	2	0	2	3	40	60	100
4	OEC		Open Elective - III	3	0	0	3	40	60	100
5	PCC		Object Oriented Analysis and Design Lab	0	0	2	1	40	60	100
6	PW		Project Stage - I	0	0	14	7	40	60	100
TOTAL				10	0	20	20	-	-	-

V. Ravikumar
Internal Subject Expert
Name: V.Ravikumar

Signature:

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External Subject Expert-I
Name: Prof.R.B.V.Subramaanyam

Signature:

Dr. M.A. Hameed
External Subject Expert-II
Name: Dr.M.A.Hameed

Signature:

Industry Expert
Name: Dr. V.Sreekumar

Signature:

University Nominee (Subject Expert)
Name: Dr.G.Venkata Rami Reddy

Signature: *G.V.R. Reddy*

Dr. N. Satyanarayana
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Dr.N.Satyanarayana 15/10/2022

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Dr. R. Muruganantham
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Dr.R.Muruganantham
15/10/22



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DEPARTMENT OF INFORMATION TECHNOLOGY

B.TECH – Course Structure R-22

SEMESTER VIII

S.No.	Course Classification	Course Code	Name of the subject	L	T	P	C	I	E	Total
1	PCC		Cloud Computing	3	0	0	3	40	60	100
2	PCC		Cryptography and Network Security	3	0	0	3	40	60	100
3	PEC		Professional Elective – VI	2	0	2	3	40	60	100
4	OEC		Open Elective – IV	3	0	0	3	40	60	100
5	PW		Project Stage – II	0	0	16	8	40	60	100
TOTAL				11	0	18	20	-	-	-

V. Ravikumar
Internal Subject Expert
Name: V. Ravikumar

Signature:

R.B.V. Subramaanyam
External Subject Expert-I
Name: Prof. R.B.V. Subramaanyam

Signature:

Dr. M.A. Hameed
External Subject Expert-II
Name: Dr. M.A. Hameed

Signature:

Industry Expert
Name: Dr. V. Sreekumar

Signature:

University Nominee (Subject Expert)
Name: Dr. G. Venkata Rami Reddy

Signature:

Dr. N. Satyanarayana
HOD
Dr. N. Satyanarayana

Dr. R. Muruganatham
PRINCIPAL
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(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad- 500097.

Dr. R. Muruganatham
Chairman BOS
Dr. R. Muruganatham

Head Dept. of Information Technology
TKR College of Engineering & Technology
Medbowli, Meerpet, Hyderabad- 500097, TS.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society . Approved by AICTE, Affiliated by INTUH,
Accredited by NBA & NAAC with 'A' Grade)



**DEPARTMENT OF INFORMATION TECHNOLOGY
B.TECH – Course Structure R-22**

COURSE STRUCTURE CLASSIFICATION

S.NO	CLASSIFICATION	1	2	3	4	5	6	7	8	AICTE	TKRCET
1	HSC	-	3	3	-	3	2	-	-	12	11
2	BSC	9	9	4	-	-	-	-	-	24	22
3	ESC	11	8	4	-	-	-	-	-	29	23
4	PCC	-	-	9	20	8	12	4	6	49	59
5	PEC	-	-	-	-	6	3	6	3	18	18
6	OEC	-	-	-	-	3	3	3	3	12	12
7	PW	-	-	-	-	-	-	7	8	15	15
	Total	20	20	20	20	20	20	20	20	159	160

V.Ravikumar
Internal Subject Expert
Name: V.Ravikumar

Signature:

R.B.V. Subramaanyam
External Subject Expert-I
Name: Prof.R.B.V.Subramaanyam

Signature:

Dr.M.A.Hameed
External Subject Expert-II
Name: Dr.M.A.Hameed

Signature:

Industry Expert
Name: Dr.V.Sreekumar
Dr.V.Sreekumar
Signature:

University Nominee (Subject Expert)
Name: Dr.G.Venkata Rami Reddy
Dr.G.Venkata Rami Reddy
Signature:

Dr.N.Satyanarayana
HOD
Dr.N.Satyanarayana 15/7/2022

Head Dept. of Information Technology
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Dr.R.Muruganantham
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Dr.R.Muruganantham
Chairman BOS
Dr.R.Muruganantham 15/7/22

BOS (ECE).

Date: 06/02/2017

AGENDA Points

- 1) To discuss about the EDC Syllabus for I B-Tech.


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Discussion / Minutes of Meeting

- 1) T/B Can become a verbatim reference book are in extra.
- 2) Logical Reasoning & Quantitative ^{is included} in III - II.
So, that students can be benefited.
- 3) LM motor shed for basic electronics.
- 4) Each and every line of syllabus copy (verbatim) in the book is called Text Book [for at least I-Year]
- 5) In II-Unit, Concepts of Series & Parallel Resonance is added and also the concept of Locus Diagram with some of the examples is added.
- 6) It is also suggested from the subject experts of ECE dept. that Transistor as switch & amplifier should be in detail.
- 7) It is also suggested that modifications in course objectives & Course Outcomes are done.
- 8) It is also suggested that Provision to add the reference books.
- 9) It is also suggested that Course hand-outs should be given by the teacher to the students.

I. Text Books Suggested for BEE (Electrical).

- (i) Basic Electrical Engineering (JJ CATHEY / SANASAR)
SCHAUM'S OUT LINES (The Mc Graw Hill Company)

II. Text Books suggested for BEE (Electronics).

- (i) Electronic devices & Circuit Theory by
ROBERT L. BOYLESTAD / LOUIS ASHESKY (Pearson)
- (ii) Millman's Electronic Devices and Circuit by



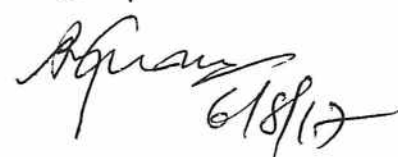









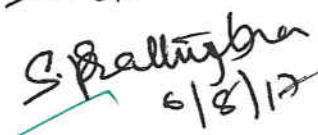
J. Millman and C. Halkias, TMH, etc.

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MEMBERS OF BOS (ECE)

Name	<u>NAME</u>	<u>SIGNATURE</u>
1)	Dr. D. Nageshwar Rao, Head of ECE Dept, BOS Chairman	
2)	Dr. G. Madhusudhan Rao Head of EEE Dept, BOS Chairman	
3)	Dr. A. Raghuram, Professor, JNTUH Nominee	
4)	Dr. N. V. Srikanth Associate Professor, NIT WGL (Subject Expert)	
5)	Dr. C. Venkata Narashimlu, Professor, GCET (Subject Expert)	
6)	Dr. M. Chandra Shekar, Sr. Manager (BDL) - (Industry Expert)	
7)	Dr. S. Selvakumar Raja, Member (TKRCET, ECE)	
8)	Dr. P. Nallathai Member (TKRCET, ECE)	
9)	Dr. S. Narashimha Member (TKRCET, EEE)	
10)	Dr. P. Shankar Babu, Member (TKRCET, EEE)	
11)	B. Swapna Rani Member (TKRCET, ECE)	
12)	B. Sharath Kumar Member (TKRCET, EEE)	
13)	S. Prathyusha Member (Alumini, ECE)	

Minutes of meeting
BOS (ECE)

5
29/11/2017.

Agenda points:-

1. Academic Regulations for II B.Tech ECE/ISII Sem
R17 (Regulations)
2. Minutes of Meeting.
Briefing given by the BOS Chairman, HOD ECE
about the Academic Subjects, ^{lab} and ^{their} credits
3. Introducing faculty of ECE dept.
(All. Doctorates, Assoc prof's and Asst. prof's).
4. Ms. Anitha Sheela. madam. discussed about
FDP. HOD Sir. answered ^{for} many of the faculty
is permission is given to attend different
workshops ~~wh~~ relevant to the stream of
Subjects that they are handling or doing
research. base.
5. Ms. Anitha Sheela madam. discussed about
the importance of FDP.
6. Multiple random variables ^{ie} have to be added
in mathematics - III Subjects, ^{as a course beyond syllabus} so that it will be
as a prerequisite of Signals and Stochastic.
process Subject. in II-I
7. Discussion about Analog Electronics Subject.
contents that are added newly are satisfied.
by ~~it~~ by the BOS Committee.
8. Suggestion given by Anitha Sheela madam, i.e
if possible to modify Course structure to
separate SS & PTP Subjects separately.

No changes have to be done. & in SSP Syllabus. Frequently Response of CE, CSBC Amplifiers. have to be done in 3/w. along with the other experiments; in AE lab.

At PDC Subject Syllabus and STLD Sub Syllabus is approved & satisfied by BOS Committee.

2. BOS Committee Suggested to follow Foreign authors.

3. No subjects syllabus change in Analog Communications, BOS committee satisfied with the syllabus.

4. Course Outcomes & Course Objectives to be written for all 2-1 & 2-2 labs.

5. BOS committee suggested to Design the Some of the experiments in AC lab, by connecting on the Bread Board. Suggested IC ^{Block diagrams} ~~see~~ ^{explained} sections to be added to the students.



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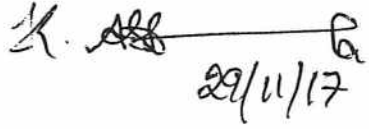
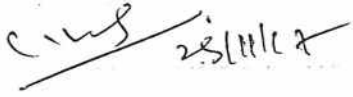





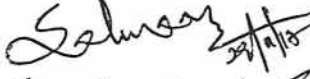
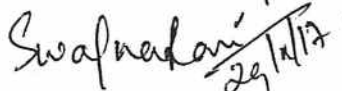
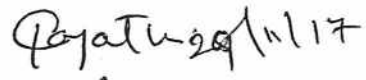

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Oct: 29/11/2017

MEMBERS OF BOS [ECE]

NAME.	SIGNATURE.
1. Dr. K. ANITHA SHEELA, Prof, of ECE department, JNTUH.	 29/11/17
2. Dr. Venkata Narashimlu, Prof. GCET.	 29/11/17
3. Dr. S.R. RAMASWAMY, Director, TKRCEST.	 29.11.17
4. Dr. M. CHANRA SHEKAR, Sr. Manager (BDL).	 M. Chanra
5. Dr. D. NAGESHWARA RAO, HOD, ECE, TKRCET.	 29.11.17
6. Dr. SEWAKUMAR RATA, Prof, ECEdept, TKRCET.	 S.S.R. Rata 29/11/17
7. Dr. NALLATHAI, Assoc Prof, ECE dept, TKRCET.	 P. Nallathai 29/11/17
8. Dr. SALMAN, Prof, ECEdept, TKRCET.	 Salman 29/11/17
9. Ms. B. SWANA RANI, ASSOC. Prof, ECEdept, TKRCET.	 Swana Rani 29/11/17
10. Ms. P. GAYATHRI, ASSOC. Prof, ECEdept, TKRCET.	 P. Gayathri 29/11/17
11. Ms. J. SUNITHA KUMARI, ECEdept, TKRCET. ASSOC. Prof.	 J. Sunitha Kumari 29/11/17

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07/07/18

Agenda points:-

Academic Regulations for III B.Tech. ECE I/Use
R-17 (Regulations)

Minutes of Meeting

Briefing given by the BOS Chairman, HoD
ECE about the Academic Subjects,
Credits and their Credits.

Revision of Regulation from R-17 to R-18 is suggested.

Introduction to Software tools is suggested.

The Committee members for R18 Regulation
in EDC Lab (model Curriculum).

Concerned.

Faculty of EMTL Subject explained the
changes that are done in Subject, as
well as the topics that are added which are the
fundamental concepts that helps the
students for better understanding.

Committee suggested some changes in
course outcomes for LICA Subject

Uniformity have to be followed for
reference books according to the availability
of books/textbooks in the library.

Prerequisites with Subject Code
have to be added (as
mentioned in all the Syllabus of the
Subjects).

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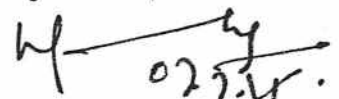
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8. Course objectives and outcomes have to be given uniformly (i.e. across bullet), for all the subjects.
9. Verbatim have to be followed for the management subject.
→ mixed signal Design in using HDL using cyrus is corrected
10. Templates have to be followed for course outcomes like CO1, CO2 ----
11. IoT is added in (4-II) TV Engg. sub. is changed to members of BOS (ECE) Digital TV Engg. in (3-II)

Name

Signature

1) Dr. D. Nageshwar Rao
H.O.D, BOS Chairman.



2) Dr. C. Venkata Narasimhulu.
Professor, GCET. (Subject Expert).



3) Dr. M. Chandra Shekar
Sr. Manager (BOL) - (Industry Expert).



4) Dr. Salman Rashid.
member (TKRCET, ECE)



5) Dr. Pringa.
member (TKRCET, ECE)



6) Ms. B. Swapna Devi
member. (TKRCET, ECE)

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29/01/19.

Minutes of meetingAgenda points

1. Academic Regulations for VII (IV-1) Sem R-17 regulations and for III, IV Semester (IV-1, IV-2) R-18 regulations.

Minutes of meeting

2. Briefing given by Bos chairman, HOD. BEE about Academic Subjects, lab and its credit introduced. Sr. prof. Dr. Anit Gangopadhyay.
3. Dr. Anitha Sheela madam discussed about the Credit score for R18 regulation.
4. Dr. Anitha Sheela madam suggested to ^{Shift} ~~score~~ ^{include} ~~be given~~ ⁱⁿ WPC/PSP, in IV Sem. for R18 regn. and to be ^{included} ~~given~~ in Core Subject instead to be in Elective Subject.
5. Dr. Anitha Sheela madam suggested to implement Elective Subjects to be chosen according to ^{etc.} ~~field~~ (i.e. either to electronics or communication)
6. Dr. Anitha Sheela madam suggested to shift ECAD & VLSD Lab to III-1 with VLSD Subject in that semester and AWP in VI Sem i.e. III-2.
7. Advanced technology lab is suggested to implement in VII Sem (IV-1).

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8. Dr. Anitha Sheela madam suggested to be change ^{personal} ~~the~~ title of the Subject related to MEM's, Speech ^{personally} ~~personally~~ Subject in VI sem (III-2), Adhoc wireless sensor n/w, CMC, WCN → Adhoc in III-2

10. VLSI Design sub. is suggested to include in IV-I by the Dr. Anita Sheela madam.
11. PTSP, & LDIC Syllabus, ^{ss.} ^{including LDIC Lab} have to be followed in old version.
12. Text Bos Committee suggested to include tutorial w. for Signal and Systems instead for Digital logic Design Subject.
- 13) Logic families Chapter have to be included in LDIC Subject suggested by Bos Committee.
- 14) Code Subject Code and Syllabus offered by ECE to EEE is to be same.
- 15) LDICA is the Subject that is arranged for the students in place of Electromagnetic Theory and transmission lines Subject (i.e. Shifting from R13 to R18 Regulation) as the student already had studied EMTL Subject.



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Members of BOS

Dr. K. Anitha Sheela.
Professor, Dept of ECE,
JNTUH.

~~K. Anitha Sheela~~

Dr. P Chandra Sekhar
Professor, Dept of ECE
O.U, Hyd.

~~P. Chandra Sekhar~~

~~Dr. Mang.~~

Dr. M. Chandrashekar
Sr. Manager (Eng) CAS,
BDL. (Industry Expert.)

~~M. Chandrashekar~~

Dr. S. Venkateshwarlu.
Professor, Dept. of ECE
AVN Ent. of Engg. & Tech.

~~S. Venkateshwarlu~~

Dr. E. Venkata Narashimlu.
Professor, Dept. of ECE,
Geethanjali College of Engg. & Tech.
(Subject Expert.)

~~E. Venkata Narashimlu~~

Dr. D. Nageshwar Rao.
Prof. & H.O.D, ECE

~~D. Nageshwar Rao~~

Dr. Amit Gangopadhyay
Professor, ECE

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~~Amit Gangopadhyay~~

9. B. Swapna Rani
Assoc. Prof., member.



10 K. Sukanya,
Assoc. Prof. member



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30/05/2021

Minutes of meeting.
M.Tech (BAS) - (Internal)

Agenda Points - AICTE has approved for M.Tech in Embedded System & VLSI. In this regard, the following agenda items have been discussed in the meeting on 30/05/2021.

Minutes of meeting

Total number of four semesters have been included in two year M.Tech course. 18 credits for I - I sem, I - II sem 12 credits for II - sem. Credits has been finalised for I - II sem.

Two Audit course have been included with zero credits in I - I sem & I - II sem.

The I - I sem and II sem course has been finalised with two professional subjects and two professional labs

Simulation and Synthesis with PLCs, microcontrollers and programmable Digital signal processors are the two subjects that are finalised in I - I sem.

analog and Digital CMOS VLSI Design, System Design with Embedded Linux - the two professional core subjects finalised by the team in I - II sem also

along with the above professional subjects the all the

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with three different specializations by the team in view of the career development of the student to meet the future trends and present trend for the industrial & ^{technical} growth of the nation. ...

8. Signal processing, Embedded systems and VLSI are the three specializations that have been decided by the team.
9. The details of the subjects with credits is ~~has~~ attached here with.
10. Microcontroller & programmable Digital Signal processor lab, Research methodology & IPR are the labs finalised for I Sem.
11. System Design with Embedded linux lab, Analog and Digital Circuits VLSI Design lab are the two labs for I-II Sem.
12. Mini project with seminar is given & 2 credits where the students have to ^{in II Sem} start in I-II Sem. with Dissertation work review.
13. Two Audit courses are made mandatorily & in I Sem and II Sem. for development of students not only in technical field but also for the growth of communicational skills, ethical and moral values which also plays an important role for the individual growth and nation growth.
14. An open elective is made compulsory in III Sem.

LDICA is the Subject

completely with the work carried out in the previous I-II and III Semesters.

All the Doctorates and Senior faculty of the department are attended for the meeting hosted by HoD on 30/03/2021. and suggested relevant and helpful points in framing out the structure of m.Tech course and also the subjects and credits allotted for it. All the details of the course are attached here with in the form of a structure.

members Attended for meeting.

- Dr. D. Nageshwar Rao, H.O.D. & Professor
- Dr. Amit Gangopadhyay, Professor
- Dr. L. Prinja, Professor
- Dr. M. Mahesh, Assoc. Prof.
- Dr. B. Swapna Rani, Assoc. Prof.
- Dr. P. Gayathri, Assoc. Prof.
- Dr. K. Padmaja Devi, Assoc. Prof.
- Dr. M. Girish

30/03/21
30/03/21
30/03/21
30/3/21

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Senior Faculty :-

- Ms. J. Sunitha Kumari, Assoc. Prof.
- Ms. K. Sudha Rani, Assoc. Prof.
- Ms. K. Sukanya, Assoc. Prof.
- Mr. A. Theja, Assoc. Prof.
- Mr. A. Vikas, Assoc. Prof.

30/6/21
30/03/21
30/03/21
30/03/21

Date 21.11.2020

Minutes of meeting.Agenda Points

Suggested to change the reputation name. RRIg to R20.

Minutes of meeting

Suggested to include VIT characteristics and key function in EDC Subject for EE, CSE, DS etc.

Suggested to merge 2nd & 3rd expts as single experiment.

Suggested to include text book "Morris Mano" in basic electronics subject for mech. dept.

Suggested to include Theory Subject for fundamental of electronics lab for Civil. dept.

Recommended to change the title of Analog electronics & circuit Analysis Subject as electronic circuit Analysis.

Proposed to change the title of Analog electronics Analysis lab as Analog Electronics simulation lab.

Proposed to shuffle David Bell tex book to reference and shuffle Jacob milliman Taub reference to Textbook.

Suggested to follow the Co's in all the laboratory Courses from minimum four to max. 6 with uniformity in framing of Co's.

Recommended to change the name of Expt. in C lab for Study of Spectrum Analysis and measurement of frequency as Spectrum of AM & FM signal.

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members attended for meeting.

1. Dr. Dhiraj Sunehra, Prof., Dept. of ECE
JNTU, Jagtihal, Phiroj Sunehra
2. Dr. M. Chandrashekar, Sr. manager (Eng.) CAS,
BOL, Mod, CoI, Kamehambagh M. Chandrashekar
3. Dr. C. Venkata Narasimulu, Prof. & Principal,
Dept. of ECE, Urdhva Smt. of Engg. & Tech. C. Venkata Narasimulu
4. Dr. D. Nageshwar Rao, Prof., H.O.D, ECE.
BOS member. D. Nageshwar Rao
5. Dr. B. Swapna Rani, Assoc. Prof., BOS Chairman B. Swapna Rani
6. Dr. M. Mahesh, Prof., ECE dept. M. Mahesh
7. Dr. Amit Gangopadhyay, Prof., ECE dept,
BOS member. Amit Gangopadhyay

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Date: 10.09.2021

BOS (ON-LINE)

Agenda Points: To discuss about M-Tech course structure.

Minutes of meeting

Information is given by the H.O.D regarding M-Tech.

Course structure is discussed by the M-Tech Co-ordinator Dr. M. Girish Kumar.

Credits for
 - Subjects - 04, PE → 05, OE - 1 etc.
 - discussed for the academic year (2021-2022)

External board members have discussed with the course structure.

Recommendations have to make as mandatory the Dissertation work.

6

1) Dr.

2) Dr.

3) Dr.

4) Dr.

5) Dr.

6) Dr.








7) Dr.



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Members of BOS

6

- 1) Dr. D. Nageshwar Rao, H.O.D. U 
- 2) Dr. Dhiraj Sureshwar. Prof. EC Dept. JNTU Jagtola 
- 3) Dr. M. Chandra Sekhar
Sr. Manager (BDL) - (Industry expert). 
- 4) Dr. B. Swapna Rani Assoc. Prof 
- 5) Dr. Amit Gangopadhyay Professor. Asst 
- 6) Dr. M. Mahesh Assoc. Prof 
- 7) Dr. M. Girish. Assoc. Prof 



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02/02/2022

Minutes of meeting (online)

Discussions:-

Agenda points - To discuss R-20 syllabus for III & IV, B.TECH.

Minutes of Meeting

1. Introduction given by the Principal, TKRCET
2. Academic regulations for ~~IV~~, V, VI, VII, VIII (R20)
3. Briefing given by the HOD about academic subjects, labs, and its credits.
4. BOS Chairman discussed the syllabi of all the academic subjects for V, VI, VII, VIII semesters.
5. The committee suggested to reduce 8086 topics to one (or two units) and increase the topics for ARM.
6. Committee suggested to prepare the course outcomes according to Blooms Taxonomy.
7. Transmission lines is made as prerequisite for optical Fibre Communications. by the committee.

ARM 9 (or) ARM 11 processor. Name to

- 10) Taken permission for B.Tech (Honor) and B.Tech²⁷ (minor) program with academic regulations that are framed. Same like JNTUOH.
- 11) Committee discussed to introduce Video recording in Image processing Subject.
- 12) The Committee even suggested to include prerequisites for DSP lab.

Members of Bas

1. Dr. Dhiraj Suresh.
Professor, Dept of ECE, JNTUJ
2. Dr. M. Chandrasekhar,
Sr. manager (BDL) (Industry Expert)
3. Dr. C. Venkata Narasimulu.
Principal, Lord's Inst. of Engg & Tech.
(Subject Expert).
4. Dr. D. Nageshwar Rao.
Professor & HOD, ECE
5. Dr. Amit Gangopadhyay.
Professor, ECE.
6. Dr. B. Swapna Rami.
Associate professor, ECE.
7. Dr. M. Mallesh, Assoc. prof.
ECE
8. Dr. M. Girish.
Associate prof., ECE.

Rohini Suresh

M. Chao

C. N.



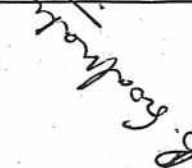
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S. No	Category	Name	Position (Status)	Designation in BOS	Subject Specialization	Contact No.	Email ID	Sign
1	Head of the Department concerned.	Dr.D.Nageshwar Rao	Prof & Head Dept of ECE	Chairman	VLSI Design	9912713150	deshmukhnag@gmail.com	
2	The entire of each specialization.	Dr.Amit Gandopadhyay	Professor	Member	Nanosensor Technology	8096685947	ag102091@gmail.com	
		Dr. Mahesh	Professor	Member	ECE	8309165487	maskimahesh@tkrcet.com	
3	Two experts in the subject from outside the college to be nominated by Academic council.	Dr.P.Chandra Sekhar	Professor, Dept of ECE, Osmania University,Hyd	Member	VLSI Design	9866695963	sekharpaidimarry@gmail.com	
		Dr.C. Venkata Narashimlu	Professor, Dept of ECE, Geethanjali College of Engineering & Technology,Hyd	Member	Signal & Image Processing	9866472744	narasimhulucv@gmail.com	
4	One expert nominated from a panel of six recommended by the Vice chancellor of University (University Nominee)	Dr. Dhiraj Sunehra	Professor & Head, Department of ECE, JNTUH CE, Jagtial	Member	ECE	8724229000	dhirajsunehra@yahoo.co.in	
5	One representative from industry/Corporate sector/allied area relating to placement.	Dr.M.Chandrashekar	Sr.Manager (Eng.) CAS, BDL, Mod, Gol, Kanchanbagh	Member	VLSI & Embedded Systems	9247476003	cmatham@gmail.com	
6	One postgraduate meritorious alumnus to be nominated by the principal.	S.Prathyusha	Asst.Prof,Dept of ECE Teegala Krishna Reddy Engineering College	Member	VLSI Design	9705269485	prathyusha.415@gmail.com	
7	The Chairman, Board of Studies, may with the approval of the principal of the college, co-opt a) Experts from out side the college whenever special courses of studies	B.Swapna Rani	Assoc.Prof	Member	Digital System & Computer Electronic	9866104554	swapnashrith@gmail.com	



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1) Text Books suggested for BEE (electrical)

(i) Basic electrical Engineering (J.J. CATHEY / S.A.N.
SCHAUM'S OUTlines (The McGraw-Hill Com

(ii)

2) Text Books suggested for BEE (electronics)

(i) Electronic devices & circuit Theory 4th ed

ROBERT L. BOYLESTAD | LOUIS NASHIELSKY (PEARSON)

Discussion:-

Definition of Text Book:-

→ Total each and every line of syllabus copy (Verbatim in the book is called Text Book. [For at least 1-year]

→ PEO's are discussed and approved.

→ In II-Unit, Concepts of Series & Parallel Resonance is added and also the Concept of Locus Diagram with some of the examples is added.

→ It is also suggested from the subject experts of EC dept that, Transistor acts as switch & amplifier should be in detail

→ It is also suggested that modifications in Course Objectives Course Outcomes are done.

→ It is also suggested that, provision to add the referen books.

→ In IV-II, Open elective - III, optical control theory is replaced by "Digital Control Systems".

→ Course curricular is designed as per the requirements of the

2. Minutes of Meeting (Bos) 30/08
EEE

6
M.Tech (Power electronics)
(R-17)

- 1) open elective solar energy introducing by Bos me
- 2) DSP
- 3) MMA Zones
- 4) core elective - optimization technique
- 5) MPPT Tracking algorithm } solar energy application
Hybrid energy sources, }
↓
UNIT - V

→ It is suggested that M.Tech I+II sem solar energy & applications is may be introduced with five units, in that last unit may be Hybrid energy sources. It is also suggest I-V - P-V cell properties ~~are~~ in this subject & It is also suggested that text books are to covers total syllabus.

→ It is also suggested the above subject may introduced in open elective ~~in~~ in the place of HVDC Transmission.

→ It is also suggested that some of the subjects in open elective - I may be removed due to the repeat from core elective I & II.

→ It is also suggested that in open elective - II I year M.Tech II semester Intelligent control an

- It is suggested that B.Tech II Year I sem in ECE branch is offering two subject and one from EEE department. It is suggested the lecture periods may be 3 tutorial is 1, so it will be treated as 3+1 for ET and NA.
- It is suggested that in ET subject in III types of Induction motors may be added.
- It is also suggested that there is changes in NT subject.
- It is also suggested that Text book for B subject by P.S. Bimbhra.
- It is also suggested that credit II Year I sem lecture periods will be 3+1.
- It is suggested that J.D. Kraus for ECE EMF Added in the first place of reference books.
- So the structure of II year I semester for B and ECE is accepted.
- It is suggested that there is no changes in the control systems subject for II year I sem B.Tech. (Follow the JNTU control system syllabus).


PRINCIPAL

R18 - AICTE Model Curriculum (BEE)

- AICTE Model curriculum structure (2018-1) discussed and approved by the Bos members.
- Bos members suggested to include comprehensive test of comprehensive viva.
- PEO's, ~~pos~~ Pos, PSOs are discussed.
- BOS members suggested to remove supermesh, su from unit - I of BBE.
- Members suggested to rename the unit - IV title DC machines and Transformers.
- Members suggested to ~~not~~ remove Elementary tr from unit - IV of BBE.
- Members suggested to remove Swinburn's test from lab.
- plotting of BH loop in a CRO for a single phase T/P exper and hence calculating the hysteresis losses.
- Include Electrical installations by sk Battacharya ^{text} as as reference. one of the text book.

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Curriculum & Syllabus

→ Include A.K. Sawhney & E.W. Golding are suggested as textbooks for electrical measurement & Instrumentations.

→ CO's can be modified as by Blooms taxonomy levels & should cover all 5 units.

→ Measurement lab experiments are modified as suggested by the BOS members.

→ ^{Include} Electronic Instrumentation & measurement Techniques by W.B. Cooper as Text book.

→ Included circulating & non-circulating models of 1- ϕ dual converters in II unit of Power electronics subject.

→ Included 120 & 180° conduction modes of 3- ϕ Inverters & PWM inverters in IV unit of PE

→ Include design of passive filters ^(R&RC) for rectifiers for ckts in basic electrical simulation Lab.

8) → Include solution of 1st of order & 2nd order differential equations using Runge RK fourth order method. In Basic electrical simulation Lab.

10)

- Include Ned mohan, Bimbira, J.M. ~~the~~ ~~the~~ Burfi in reference books. for Power electronic
- In It is suggested to include e. l. wadhwa ~~1~~ text books. for SGP. & HVE.
- In It is suggested to include Gopal & Bhis the text books. for LSA subject.

→ RI7 - Open Electives

- 3 open elective courses are included in semi for other department B.Tech students.
- 4 open elective courses are included in semis for other department B.Tech students.


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R18-Structure of (II-year)

- BOS members suggested to give a final name for theory and lab.
- BOS members suggested to remove NE theorems for AC & DC, which are already in I year BEE.

→ ~~BOS~~

- To include graph theory in electric analysis.

→ UNIT-I network topology.

- BOS members suggested that:- open elec offered to the other students can be by EEE students also.

- Include problems and solutions in Elec Engineering by Parker Smith's book.

- To include Band Rejection filter in

- To remove sinusoidal steady state in

Electrical machines - I

→ BOS members suggested that:-

- Remove B-H curve and magnetic material unit - II

- Replace the unit - I by electromagnetic and Torque.

→ Split the unit - I (Transformers) into single phase and three phase Transformers

Electrical machines - I Lab

→ Include Verification of γ - Δ , Δ - γ , γ - γ Transformers instead of Speed control of DC motor

Electrical Circuits Analysis Lab

→ Remove Verification of mesh and Nodal Analysis,

→ Include frequency response of 1st and 2nd order RL, LC & RLC n/w's

Electrical machines - II

→ Remove 3D-visualisation.

→ Follow JNTUH syllabus as it is for EM-II.

→ Include Types of 1- ϕ induction motor & Universal motor in unit - I

Control systems

→ Follow JNTUH syllabus as it is.


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Labs

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Electrical machines - II Lab

→ No changes in EM-II Lab

Control systems Lab

→ Include Evaluation of error constants in time response plot.

Electrical work shop Lab

→ Include power quality comparison of different

Electrical systems & Simulation Lab

- Include 3-ph inverter with 120° , 180° mode of operation
- solution of 1st order Diff eqⁿ using R-K Fourth method.
- single phase cyclo-converter with $\text{FIR} \frac{1}{4}$ & $\frac{1}{3} t$

Power electronics lab

→ Include simulation of 1-ph converter with SPWM

R-17

→ R17, IV-year syllabus discussed and approved

→ members suggested to change course outcome for all the courses (R17 & R18) with minimum five (5) CO's. with blooms Taxonomy Level.

1) Power system-I cl. number T.B
UNIT-IV Introduction to substation ground

cl. UNIT I & II Introduction to ^{Non-}conventional Energy S
UNIT-III Introduction to micro grid
UNIT-IV Introduction to Distribution

→ substation grounding by (T.B)
 ground mat, soil Resistivity,
 step voltage, touch voltage,

2) power electronic choppers

3) Professional Elective - I

1) machine design. Change to sir.

2) Power system Dynamics and Control
 Unit - II → δ & swing eqⁿ, Equal Area Criteria
 → analysis of dynamic system, swing eqⁿ

→
 Unit - III - Park Transformation back - Forward
 - D-Q. eq. set
 → Decoupled control L & D.

Unit - IV - IEEE - paper 1 is net.

Unit - V - rotor angle stability analysis for
 SMIB, and MMSB

- Concept of Inertia, Virtual Iner
- P.S analysis by Hadi Sadhath
- SMIS - Philips Econ model → IEEE - P
 80s members are suggested that.

→ Savings → Hadi Sadhath.

PS-I change co's blends taxonomy
~~PS-I~~ NI - Semester able to draw comp
COs - 1) should be draw underst
 layout valing conver

- 2) should be able to evaluate val
 AC & DC distribution
- 3) suggested 5 co's for each u
 3) able to understand
 layout of substation & etc
- 4) understand & evaluate

PS-II :- CL wad wa
UNIT-III
 travelling wave in tr. line
 for differ
 unit-4
 effect of
 SCILINITY → water forma
 (conductors)

PSA :- sequential method
 2-try formula
 algorithm

psoc - psoc by Nagarath & Kothari
by Haldgaard

course objectives

outcome → ④ objectives ② or ③

- control of LFC, reactive power
- Economic aspects of P.S
- understand scada

Wind and solar Energy systems

→ MPPT algorithms

FACTS:-

- Comparison FACTS with HVDC
- Introduction aspects of FACTS UNIT-I
- UPFC \Rightarrow pulse comm \Rightarrow SSSC UNIT-II
- UNIT II X UNIT V Introduction to UPFC

In special case due to SCR devices, break

power system protection

Badli Ram T.B

(i) over current protection

III Generator, transformer, protection

✓ Remove EMTC software

VIII + SEM

HVDC (P.E. IV) No corrections

Computational Electromagnetics — no corrections
Electromagnetic waves — no corrections

Industrial Electrical systems — NO corrections
Control systems design change to modern control theory

Advanced Electric drives is change to UEE

→ HVE — NO corrections
→ Computer aided design of electrical machines. then
title name change.

these all things are suggested by BOS member

BOS Meeting (Minutes Of Meeting)
TKRCET, EEE Department








M-TECH (R-19)

Date: 16/02/2019 ²⁷

→ The followings suggestions are given by distinguished BOS members.

- 1) BOS members have suggested, mini project with seminars in II-year I-semester.
- 2) BOS members have suggested, phase-I dissertation in II-I sem. and phase-II dissertation in II-I semester.

Members of BOS (EEE)

- 1) Dr. S. Varasimha — Prof & HOD EEE — 
- 2) Dr. G. N. Srinivas — JNTUH Nominee — Prof. JNTUH — 
- 3) Dr. V. Rajagopal — Subject Expert, Prof of dept of EEE → Standby College of Engg — 
- 4) Dr. K. Raju — Chairman, BOS → 
- 5) Dr. M. D. Qutobuddin — Member → 
- 6) B. Sharath Kumar — Co-ordinator → 
- 7) P. Bhargava — M-Tech Student — 

PRINCIPAL

Minutes of the BOS Online Meeting held on 21.11.2020

Agenda points:-

1. Approval for EEE course structure (RR18) for the academic year, 2020-2021.
2. Approval for BEE, BEES syllabus and BEE and BEES I offered to other branches in I year and II year
3. Approval for BEEE Lab offered to ME Branch II year I semester and Network Analysis syllabus offered to ECE II year I semester.
4. Approval for II year EEE syllabus and Labs.

→ The following suggestions are given by distinguished BOS Members

1. BOS members have suggested change RR18 as R20 in course structure
2. BOS members have suggested include induction programme as mandatory course in I-year, I-semester
3. BOS members have suggested include constitution of India, Environmental Science, yoga and sports as mandatory courses.

4. Dr. G. N. Srinivas has suggested change voltage and current source as dependent and independent theorems, maximum power transfer theorem in Unit-I, BEE Subject.

5. Dr. G. N. Srinivas and Dr. N. V. Srikanth have suggested include construction and working principle of Ideal and Non-ideal

15. BOS members have suggested summer Internship / Seminar, Mini project and project stage - 1 can be completed after II year - II semester external exams, during summer vacation only.

The committee has approved the course structure and above modifications in syllabus up to II-year I-semester and II-semester.

BOS Members Present — (Online Meeting on 21/11/2020)

- ① Dr. G. N. Srinivas — JNTUH nominee, professor (JNTU)
- ② Dr. N. V. Srikanth — Subject expert, Assoc prof, NITW
- ③ Dr. V. Rajagopal — Subject expert, prof. KITSW.
- ④ Dr. B. P. Singh — G.M (Retired), BHEL, HYD.
- ⑤ Dr. K. Raju — Assoc prof, TKRCET — Chairman BOS
- ⑥ Dr. S. Narasimha — HOD EEE, prof. TKRCET
- ⑦ Dr. MD. Qutubuddin — Assoc. prof. TKRCET (member) BOS.

9. Minutes of Meeting

Date: 20/11/21.

BOS (EEE), TKRCET.

M.TECH (R21) - Structure & Syllabus,

Academic year Batch - 2021.

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Agenda Points

1. Approval for M.Tech (P.E) course structure (R-21) for the academic year (2021-2022)
2. Approval for M.Tech (P.E) syllabus and Labs.

→ The following suggestions are given by distinguished BOS members.

- 1) BOS members have suggested to Remove open elective-I 'Energy from waste', and suggested to add common courses (CSE+EEE) i.e (AIML)
- 2) BOS members have suggested to add PEAC Drives subject in PE 5. All the BOS members are suggested ^{no modification in PE 5}
- 3) BOS members have suggested to club HVDC and FACTS as a one subject. All the BOS suggested HVDC separate from FACTS
- 4) BOS members have suggested to add 'Digital control of Power electronic systems ^{drive of drives} as an elective in (PE 3 ~~or PE 4~~) ^{in place of industrial load modelling and control.}
- 5) BOS members have suggested to change the title as Power ^{electronic} converters Lab in place of Power converters Simulation Lab (Lab 2) in M.Tech -I-I.
- 6) BOS members suggested to follow uniform structure for Textbook format. (Title, Author, Edition, year)
- 7) BOS members suggested to frame detailed syllabus of Unit-II in Power electronics for Renewable energy systems
- 8) BOS members have suggested to add 'Digital control systems' in PE 3 instead of 'Digital control of

10. Minutes of meeting
BOS (EEE), TKRCET
B.Tech (R20) - syllabus

12/02/2022

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Agenda Points

1. Approval for III and IV year EEE syllabus and Labs - (R20) Reg.
The following suggestions are given by distinguished BOS members

1. BOS members have suggested include open elective - I as smart grid technologies in III year.
2. BOS members have suggested change electrical work shop as electrical design Laboratory.
3. Constitution of India, Environmental science, Yoga and sports as mandatory courses.
4. BOS members have suggested to Electrical Simulation Lab same as R18.
5. BOS members have suggested to power Electronics lab same syllabus as R18.
6. BOS members have suggested include electrical distribution system as provisional elective in IV year II sem.
7. BOS members have suggested to no change in Computational electromagnetics syllabus.
8. BOS members have suggested to no change in Industrial Electrical Systems.
9. BOS members have suggested to no change in HVE.
10. BOS members have suggested to include comparison FACTS with HVDC.
11. BOS members have suggested include sequence network analysis of all types of faults. in PSA subject.
12. BOS members have suggested, include stability evaluation in PSA.
13. BOS members have suggested include FACTS special devices in FACTS subject.

Department of EEE
BOS
Minutes of Meeting

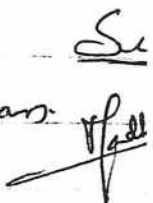


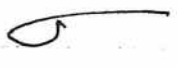


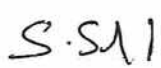
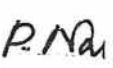







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→ It is also suggested that, the teacher should give handout to the students.

→ The BOS of the Dept. as approved carefully, the course a -line with the attainments of PEO's.

Members of BOS (EEE Dept)

- | <u>Name</u> | <u>Signature</u> |
|---|---|
| 1) Dr. G. Madhusekhon Rao, HEAD of EEE, BOS Chairman. |  |
| 2) Dr. D. Nageshwar Rao, HEAD of ECE, BOS Chairman. |  |
| 3) Dr. A. Raghuram, Professor, JNTUH Nominee |  |
| 4) Dr. N. V. Srikanth, ASSOC. prof. NIT WGL. (Subject Expert) |  |
| 5) Dr. C. Venkata Narashimlu, Prof. GCET (Subject expert) |  |
| 6) Dr. M. Chandra Shekar, Sr. manager (BDL) (Industry Expert) |  |
| 7) Dr. S. Selva Kumar Raja, member (TKRCET, ECE) |  |
| 8) Dr. P. Vallathoi, member (TKRCET, ECE) |  |
| 9) Dr. S. Sivasinha, member (TKRCET, EEE) |  |
| 10) Dr. P. Sankar Babu, member (TKRCET, EEE) |  |
| 11) B. Shorath Kumar, member (TKRCET, EEE) |  |
| 12) B. Swapna Rani, member (TKRCET, EEE) |  |
| 13) K. Kalyan Raj, member (TKRCET, EEE) |  |

14) J. Hasika, member (p.w. alumni)



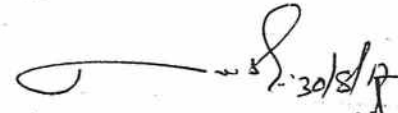


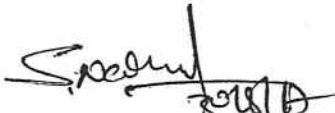

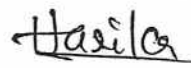

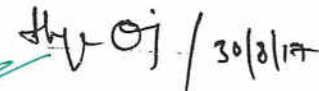
Hasika



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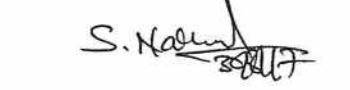



→ It is also suggested by BOS members that, there is a encouragement & help in terms of Money from manment to M-TECH students and Best Reserch students.

Members of Bos (EEE)

- 1) Dr. G. Madhusudhana Rao BOS chairman
HOD/EEE  30/8/17
- 2) Dr. A. Raghuram prof. JNTUH
JNTUH nominee  30/8/17
- 3) Dr. N.V. Srikanth Assoc. Professor
NIT Warangal  30/8/17
- 4) Dr. V. Rajagopal prof & HOD EEE
Stanley Engg College 
- 5) Dr. B.P. Singh BHEL GM
Industrial member. 
- 6) Dr. S. Narsimha Prof. TKRCET  30/8/17
- 7) Dr. P. Shankar Babu Prof. TKRCET.  30/8/17
- 8) J. Hasika, member / (PG Alumini) 
- 9) B. Sharath Kumar, Member (TKRCET, EEE)  30/8/17
- 10) K. Kalyan Raj, Member (TKRCET, EEE)  30/8/17

* Review process of PEO's will be taken regularly.

Members of BOS (EEE)

<u>Name</u>		<u>Sign</u>
1) Dr. G. Madhusudhana Rao	Bos chairman HOD/EEE	 30/8/17
2) Dr. A. Raghuram	Prof. JNTUH JNTUH Nominee	 30/8/17
3) Dr. N.V. Srikanth	Assoc. Prof. NIT Warangal	 30/8/17
4) Dr. V. Rajagopal	Prof & HOD EEE Stanley Engg college	 30/8/17
5) Dr. B.P. Singh	BHEL GM Industrial member	 30/8/17
6) Dr. S. Narsimha	Prof. TKRCET	 30/8/17
7) Dr. P. Shankar Babu	Prof. TKRCET	 30/8/17
8) J. Harika	Member (PG Alumini)	Harika
9) B. Sharath Kumar	Member (TKRCET, EEE)	 30/8/17
10) K. Kalyan Raj	Member (TKRCET, EEE)	 30/8/17

Members of BOS (EEE)

Signature

1) Dr. G. Madhusudhana Rao BOS chairman
HOD/EEE

[Signature]
7/7/18

2) Dr. A. Raghuram Prof. JNTUH
JNTUH Nominee

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7/7/18

3) Dr. N. V. Srikanth Assoc. Prof
NIT warangal

[Signature]
7/7/18

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Stanley Engg college

[Signature]
7/7/18

5) Dr. B. P. Singh Rt. BHEL GM
Industrial member

[Signature]
7.7.18

6) Dr. S. Narsimha Prof. TKRCET

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7/7/18

7) Dr. K. Raju Assoc. Prof

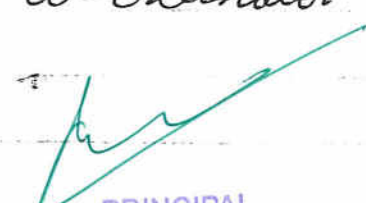
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8) J. Hasika member (PG Alumini)


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7/7/18


9) B. Sharath Keerav BOS co-ordinator

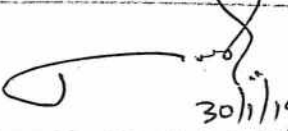
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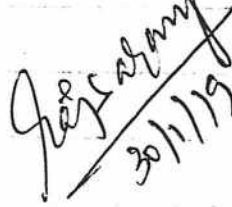

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Members of BOS(EEE) - Signic

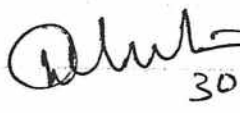
1. DR. S. Narasimha - member
Prof & HOD/EEE  30/11/19

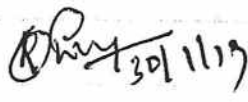
2. DR. A. Raghuram - JNTUH Nominee
Prof. JNTUH.  30/11/19


3. DR. Srikanth NV - Subject Expert.
Assoc. Prof. NITW  30/11/19

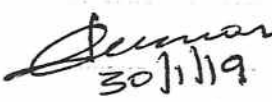
4. DR. V. Rajagopal - Subject Expert
Prof, Dept of EEE,
Stanley College of Engg.  30/11/19

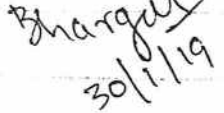
5. DR. B. P. Singh - Industry Expert
En. M. (Retd), BHEL, R & D.  30/11/19

6. DR. K. Chitra - member
Professor.  30/11/19

7. DR. K. Raju - Chairman
Assoc. Prof  30/11/19

8. DR. M. Murali - member
Assoc. Prof  30/11/19

9. B. Sharath Kumar - member
Asst. Prof.  30/11/19

10. P. Bhargava - member
Post Graduate Student.  30/11/19

1) Decoupled method & fast decoupled method

2) sequence of analysis of all types of faults

1) determination of stability

→ steady state stability limit

Numerical solution of swing equation method
by RK method, Runge-Kutta method, CL method → 3rd order replacement

CO's

1) understand the interrelated aspects of
understand different methods

of load flow solution

2) Analyze different fault studies
of P.S

3) understand & evaluate different stability
studies of power system

→ cooling towers, removed Energy auditing

→ power line commutated and active
reactor

buck-boost converter

Members of BOS (EEEE)

- 1) Dr S. Narasimha - member
Prof & HOD EEE
- 2) Dr A. Raghuram - JNTUH Nominee
Prof JNTUH
- 3) Dr Srikanth NV - Subject expert
Assoc Prof, NITW.
- 4) Dr V. Rajagopal - Subject expert
Prof of Dept of EEE
Stanely college of Eng
- 5) Dr. K. Raju - Chairman
- 6) Dr. MD. Qutubuddin - member
- 7) V. Sangetha sarali - Senior Faculty
(Member)
- 8) B. Sharath Kumar - co-ordinator
- 9) P. Bhargav - M.Tech student

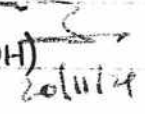

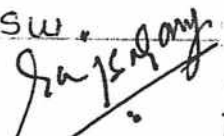







PRINCIPAL

6. BOS members has suggested remove resonance in series RLC circuit in I year BEE Lab.
7. BOS members have suggested include house wiring experiments in BEE Lab for ME branch.
8. Dr. N.V. Srikanth ^{other members} + have suggested include Textbook on electrical machines by P.S. Bimbora as Text book as electrical machines.
9. Dr. N.V. Srikanth has suggested include Text Book on Electromagnetic field Theory by Gangadhar Text book as EMF subject.
10. BOS members have suggested change separation word as determination in ECA Lab.
11. BOS members have suggested include PSPICE in ECA Lab.
12. BOS members have suggested include Text book on control systems by I.J. Nagorathn m. Gopal as Text book in control system instead of K. Ogata.
13. BOS members have suggested include Text book on power system Engineering by M.L. Soni, P.V. Gupta as Text book in PS ~~I~~ subject.
14. BOS members have suggested include

Date: 20/11/2021

33

Members of BOS (EEE)

- ① Dr. G.N. Srinivasa - JNTUH. Nominee, Professor (JNTUH) 
- ② Dr. N.V. Srikanth - subject expert, Assoprof, NITW 
- ③ Dr. V. Rajagopal - Subject expert, Prof. KITSW. 
- ④ Dr. B.P. Singh - G.M (Retired), BHEL, Hyd. 
- ⑤ Dr. K. Raju - Assoc. Prof, TKRCET - Chairman, BOS 
- ⑥ Dr. S. Narasimha - HOD EEE, Prof. TKRCET. - 
- ⑦ Dr. MD. Qutubuddin - Assoc. Prof. TKRCET. (Member BOS). - 
- ⑧ V. Sangeetha Sarali - Senior Faculty - 
(Member) - BOS.
- ⑨ B. Sharath Kumar - co-ordinator (BOS) → 
- ⑩ T. Ravali - Post graduate student 







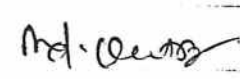


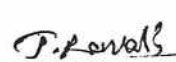

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Agenda points

1. Approval for B.Tech (R22) course structure for the academic year (2022-2023)
 2. Approval for B.Tech IInd year syllabus and Labs.
 3. Approval for BEE subject and BES Lab to CSE CDS & AI and ML and IT.
 4. Approval for BEEE subject and BEEE Lab to ME branch and CE branch.
 5. Approval for FEE subject and FEE Lab to ECE branch.
 6. Approval for Credit distribution to HS, BS, ES, PC, PE, OE and IW.
- The following suggestions are given by distinguished BOS members.

1. BOS members have suggested change Electrical Circuit Analysis - I ^{& Lab.} as Electrical Circuit and Electrical Circuit Lab in Sem-I
2. BOS members have suggested change Electrical Circuit Analysis - II & Lab as Network Analysis Subject and Network Analysis Lab in Sem-II
3. BOS member have suggested include experiment on active power for star and delta connected balanced loads. And also reactive power for star and delta connected balanced loads.

Members of BOS (EEE)








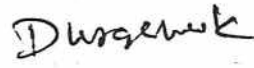
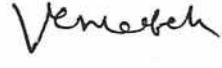

- ① Dr. G.N. Srinivas - JNTUH Nominee, Professor JNTUH → 
- ② Dr. N.V. Srikanth - Subject Expert, Assoc. professor, NTTU → 
- ③ Dr. V. Raja Gopal - Subject Expert, professor, KITSU → 
- ④ Dr. B.P. Singh - G.M (Retired), BHEL, HYD → 
- ⑤ Dr. K. Raju - Assoc. prof, TKRCET, Chairman BOS → 
- ⑥ Dr. S. Narasimha - HOD EEE, Professor, TKRCET → 
- ⑦ Dr. MD Qutubuddin - Assoc prof, TKRCET
(member BOS) → 
- ⑧ V. Sangeeta Sarali - Senior Faculty (member, BOS) → 
- ⑨ B. Shorath Kumar - Asst. prof, Cotadimta (BOS) → 
- ⑩ T. Ravali - Post graduate student (M TECH (EE)) → 


4. BOS members have suggested include node voltage / mesh current analysis using suitable simulation tool.
5. BOS members have suggested include experiment on resonance.
6. BOS members have suggested change unit 2 as transient analysis of series circuits and transient analysis of parallel circuits.
7. BOS members have suggested include experiment on frequency domain analysis of High-pass filter
8. BOS members have suggested simulation of two-port network using suitable simulation tools.
9. BOS members have suggested change electrical simulation tools lab as. Data structure through 'C' programming.
10. BOS members have approved credit distribution as given below

			Credits
1)	HS	—	11
2)	DS	—	23
3)	ES	—	22
4)	PC	—	59
5)	PE	—	18
6)	OE	—	12
7)	PII	—	15

Total = 160

Members of BOS (EEE)


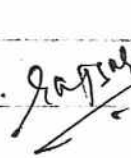
- ① Dr. G.N. Srinivas - JNTUH Nominee, Professor (JNTUH) - 
- ② Dr. N.V. Srinanth - Subject Expert, ~~Asso. Prof.~~ NITW - 
- ③ Dr. V. Rajagopal - Subject Expert, Prof. KITS W - 
- ④ Dr. B.P. Singh - G.M (Retired), BHEL, Hyd - 
- ⑤ Dr. K. Raju - Assoc. Prof, TKRCET - Chairman. - 
- ⑥ Dr. S. Narasimha - HOD EEE, Prof - TKRCET - 
- ⑦ Dr. MD. Qutubuddin - Assoc. Prof. - TKRCET
(member BOS) - 
- ⑧ B. Durga Naik - Senior Faculty
(Member BOS) - 
- ⑨ A. Venkatesh - Coordinator (BOS) - 
- ⑩ T. Ravali - Post Graduate student. - 


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Members of BOS (EEE)

45

M. Tech (PE) - R 22

- 1) Dr. G. N. Srinivas, JNTUH nominee, Professor. 
- 2) Dr. N. V. Srikanth, - Subject expert, professor NITW.
- 3) Dr. V. Rajagopal - Subject expert, prof, KITSW. 
- 4) Dr. B. P. Singh - G.M (Retired), BHEL, Hyd.
- 5) Dr. K. Raju - Assoc. prof, TKRCET, Chairman, BOS
- 6) Dr. S. Navasimha - EEE, HOD, TKRCET
- 7) Dr. M. D. Kutubuddin - Assoc. prof, EEE, TKRCET.



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6/8/17

BOS - MEETING NO: 1

Combined Board of Studies Meeting

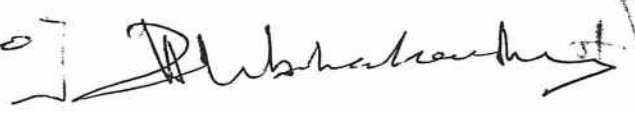


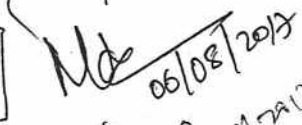
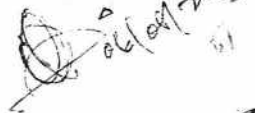
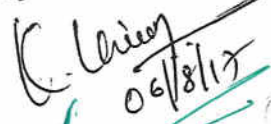

Agenda of meeting

- 1) To approve & modify the syllabus of 1st year for academic year 2017-18 ✓
- 2) To approve the academic regulations and general rules for the batch starting from 2017-18 and further years, till change takes place
- 3) To acknowledge the Autonomous status for the college.

Minutes of meeting

Above points of agenda are approved without any modifications and changes as noted below.

Present:

- 1) Dr V. Prabhakar Rao] 
Chairman
- 2) Prof M. Venkata Reddy] 
Member
- 3) Dr G. Venkata Subbadah] 
Member, Subject Expert - 1
- 4) Dr Md. Azizuddin] 
Member, Subject Expert - 2
- 5) Dr Nukala Ravi] 
Member, Rep. from Industry
- 6) Mr K. Kishore Kumar] 
Member, Aluminee Nominee
- 7) Mr A. Sudhakar Rao] 
Member, co-opted member of staff

Principal
TKR College of Engineering & Technology
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Changes to be made

#)

- 1) The semester codes are to be noted instead of year
Semester Codes
- 2) Since only one core as Thermal Engg. (V-Sem) Design of members exist, the specific symbol as II must be left
- 3) Instead of Operational Research (VIIth Sem) it must be Operations Research.
- 4) In 5th sem the subject name Professional English, human values may be changed as professional English, human values of Group Discussion
- 5) Elective - I in 7th semester is changed from Air Condition & Refrigeration (as it is already entry as core subject) to Computational Fluid Dynamics.
- 6) The spelling mistakes for some of the subject may be corrected.
- 7) In unit II of Engg mechanics ladder Friction is added
- 8) The outcome of the subject Engg. mechanics are to be added
- 9) Tutorial hours for Engg mechanics has to be added

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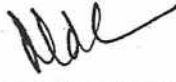

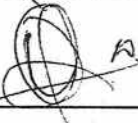
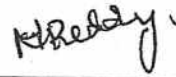
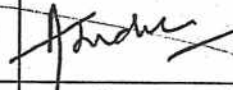
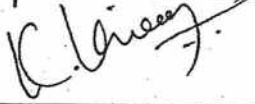
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(4) *[Signature]* 06/08/2019

[Signature]

BOS - Meeting - 1

Department of Mechanical Engg:

No	Name	Designation	Role	Signature
1	Dr. V. Prabhakar Rao	Professor and HOD	Chairman	
2	Dr. B. Anjaneya Prasad	Professor	Member	
3	Dr. Md. Azizuddin	Professor	Member	
4	Dr. G. Venkata Subbaiah	Professor	Member	
5	Dr. Nukala Ravi	Professor	Member	
6	Prof. M. Venkat Reddy	Professor	Member	
7	Mr. A. Sudhakar Rao	Assoc. Prof	Member	
8	Mr. K. Kishore Kumar	Assoc. Prof	Member	


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BOS MEETING - 2

14/10/2017
3

Agenda of Meeting

✓ To approve and modify the Course structure and corresponding syllabus of 2nd B-Tech (3rd and 4th semesters) of R-17, autonomous regulations for TKR College of Engineering and Technology (Autonomous)

The academic course structure and corresponding syllabus for 2nd year B-Tech, R-17 (Autonomous) Regulations, from academic year 2018-2019 is enclosed

Present

- 1) Dr V. Prabhakar Rao - HOD (Mech)
- 2) Dr B. Anjaneya Prasad - JNTU# Namerice
- 3) Dr Md. AZIZ UDDIN - Subject Expert
- 4) Dr G. Venkata Subbaiah - Subject Expert
- 5) Dr N. Ravi - From Industry
- 6) Prof M. Venkata Reddy - From TKR Engg College
- 7) Mr A. Sudhakar Rao - co-opted from staff
- 8) ~~Mr K. Keshava Kumar~~ ~~Adunuri Namerice~~ Absent

Minutes of meeting:

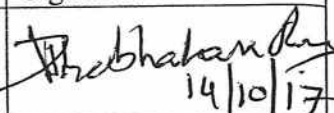
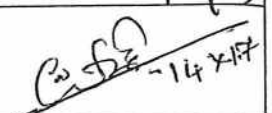
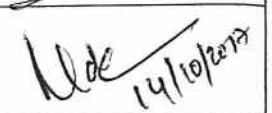
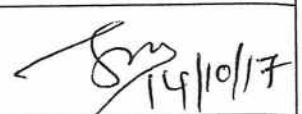
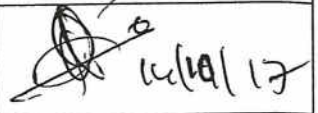
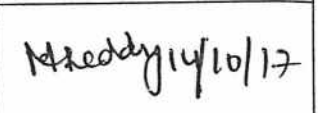
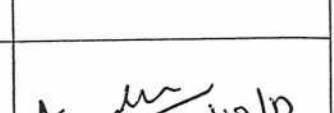
Addition of "Principles of powder metallurgy" is recommended in subject Metallurgy & Materials Science. Introduction to Nano-materials" topic is added in the 5th unit of subject Metallurgy & Materials Science.

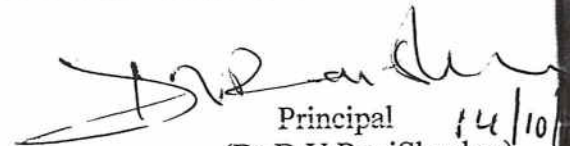
- Dr B. Anjaneya Prasad -
Dr Md Azizuddin -
Dr G. Venkata Subbaiah -
Dr N. Ravi -
Dr V. Prabhakar Rao -


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Present:

305 - meety - 2.

Sl.No	Name and designation	Role	Signature
1	Dr V.Prabhakara Rao Professor and HOD(mech) TKR College of Engg. and Technology	Chairman	 14/10/17
2	Dr B.Anjaneya Prasad, Professor, JNTUHCE Nominee of JNTUH University	Member	 14/10/17
3	Dr Md Azizuddin Professor, Deccan college of Engineering Subject Expert	Member	 14/10/2017
4	Dr G.VenkataSubbaiah Professor, MVSR Engg.College Subject Expert	Member	 14/10/17
5	Dr Nukala Ravi Scientist-E, ARCS Representative from Industry	Member	 14/10/17
6	Prof M.Venkat Reddy Professor, TKR College of Engineering & Tech Representing Professor of Department.	Member	 14/10/17
7	Mr A.Sudhakara Rao Associate Professor TKR College of Engineering & Tech Co-Opted member from Staff of Dept, Nominated by Principal	Member	 14/10/17
8	Mr K.Kishore Kumar Alumini Nominee, Nominated by Principal	Member	ABSENT


Principal 14/10/17
(Dr D.V.RaviShankar)


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BOS MEETING - 3

Date: 07.07.2018

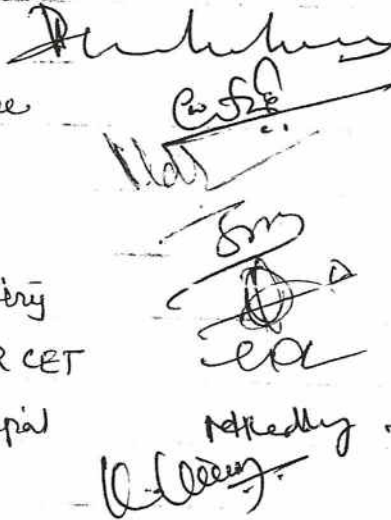
Agenda of Meeting

To approve and modify the course structure and corresponding syllabus of 3rd year B.Tech (5th and 6th Semesters) of R-17, autonomous regulations of T.K.R. College of Engineering and Technology (Autonomous).

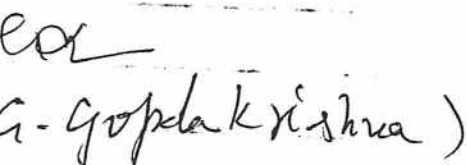
The academic course structure and corresponding syllabus for 3rd year B.Tech, R-17 (Autonomous) - regulations, for academic year 2019-20 is enclosed. The course structure of R-18 is ratified. The syllabus of elective subjects and laboratories ratified earlier in R-17 may be followed.


Present

- 1. V. Parabhata Rao, HOD (Mech)
- 2. B. Anjaneya Prasad, JNTUH Nominee
- 3. Md. Azizuddin, Subject Expert
- 4. G. Venkata Subbaiah, Subject Expert
- 5. N. Nikala Ravi, Representative from Industry
- 6. G. Gopala Krishna, Professor from TKR CET
- 7. M. Venkat Reddy, Nominated by Principal
- 8. K. Kishore Kumar, Alumni Nominee



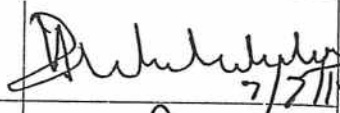
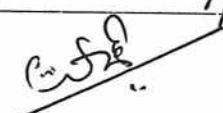






R-18 Syllabus for Engineering Graphics, Engineering Mechanics and Engineering Workshop, Fundamentals of Mechanical Engineering and Fuels & Lubricants Lab are ratified.



G. Gopala Krishna)


HOD (ME)

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PRESENT AT BOS MEETING - 3

S.NO	NAME & DESIGNATION	ROLE	SIGNATURE
1	Dr.V.Prabhakara Rao Professor and HOD (Mech) TKR College of Engineering and Technology	Chairman	 7/7/18
2	Dr.B.Anjaneya Prasad, Professor, JNTUHCE Nominee of JNTUH University	Member	
3	Dr.Md.Azizuddin Professor, Deccan College of Engineering Subject Expert	Member	
4	Dr.G.Venkata Subbaiah Professor, MVSR Engineering College Subject Expert	Member	
5	Dr. Nukala Ravi Scientist-E, arcs Representative from Industry	Member	
6	Dr.G.Gopala Krishna Professor (Mech) TKR College of Engineering and Technology Representing Professor from the department	Member	
7	Prof. M.Venkat Reddy Professor (Mech) TKR College of Engineering and Technology Nominated by Principal	Member	
8	Mr.K.Kishore Kumar Alumini Nominee, Nominated by Principal	Member	


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BOS MEETING - 4

DT: 29-1-2019

Agenda of Meeting

To approve and modify the course structure and corresponding syllabus of 4th year B.Tech (7th and 8th semesters) of R-17 autonomous regulations.

To approve and modify the course structure and corresponding syllabus of 2nd, 3rd and 4th year B.Tech (3rd, 4th, 5th, 6th, 7th and 8th semesters) of R-18 autonomous regulations.

The academic course structure and corresponding syllabus of 4th year R-17 (autonomous) and 2nd, 3rd and 4th year R-18 (autonomous) regulations is enclosed.

Decisions of the meeting

The course structure and corresponding syllabus for (i) B.Tech 4th year autonomous regulations and (ii) B.Tech 2nd year, 3rd year and 4th year for R-18 autonomous regulation is approved with the attached modifications.

Attendees

A. Mateen, Chairman

Anjaneya Prasad, JNTUH Nominee, Member

M. Aziguddin, Subject expert 1, Member

Venkata Subbaiah, Subject expert 2, Member

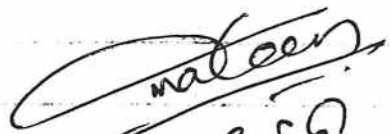
Ukala Ravi, Industry expert, Member

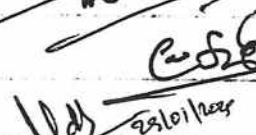
P. Parabhakara Rao, HOD, ME, member

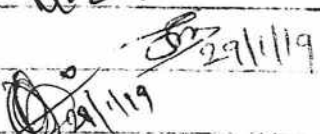
S. Gopala Krishna, Professor nominated by principal, member.

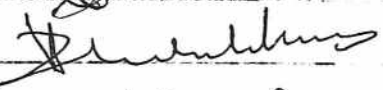
M. Venkat Reddy, Senior faculty, member

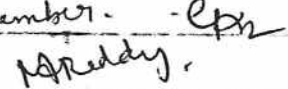
K. Kishore Kumar, Alumni nominee, member.

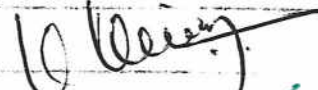



29/1/19


29/1/19







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Bos Meeting — 5

Date: 21/11/2020.

Agenda of Meeting.

✓ To approve the Course Structure for I to VIII semesters of 4-year U.G. B.Tech Mechanical Engineering program for R-20 regulations (TKRCET Autonomous)

To approve and Modify the Course Content corresponding Syllabus for I to IV sem of each UG B.Tech Mechanical Engineering program for R-20 regulations (TKRCET Autonomous)

Minutes of the meeting.

The Course Structure for B.Tech, I-VIII sem Mechanical Engineering program (R20) has been approved

The Course Content for B.Tech, Mechanical Engineering Program for R20 Regulations were discussed after a discussion and the approved content attached. (I to IV sem)

The Course Content for Common Course has been modified and approved which is also attached.

M.A. Mateen, Chairman.

N.V.S. Raju, JNTUHI Nominee, member

Sridhara Reddy, subject expert-1, member

T. Vijaya Babu, subject expert-2, member

N. Nasir Hussain Industry expert, member

G. Gopala Krishna, HOD ME, Member.

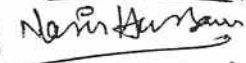
M. Venket Reddy, Professor nominated by principal, member

T. Dharmavaram Srinivas A.M.P. Professor, member


M.A. Mateen


Sridhara Reddy


T. Vijaya Babu


N. Nasir Hussain


G. Gopala Krishna


M. Venket Reddy


T. Dharmavaram Srinivas

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BOS - meeting - 6

Dt: 16/08/2021

Monday. 3:00 - 5:00pm

Agenda of meeting

✓ To approve and modify the course structure and pending syllabus for M.Tech (Robotics and Automation) year PG programme for mechanical Engineering for R-20 regulations (TKRCET Autonomous)

Discussion on M.Tech course subjects syllabus with JNTUH Nominee member Dr. N.V.S. Raju and other Board of members through on-line mode.

Online link for the meeting (Recorded link)

Google meet joining info video call link :
<https://meet.google.com/vrp-pyqk-uaa>

Agenda of the meeting :- The course structure and syllabus modification for M.Tech (Robotics and Automation) for PG program in R-20 regulations has been done with the Nominee members.

Attendees:

K. Naveena Latha, Chairman	
N.V.S. Raju, JNTUH Nominee, member	
Saithara Reddy, Subject Expert 1, member	
T. Vijaya Babu, Subject Expert 2, member	
N. Nabin Hussain, Industry Expert, member	
G. Gopala Krishna, HoD, ME, member	
M. Venkat Reddy, Prof, Nominated by Principal, member	
T. Dhanujay Singh, Assoc. Prof, Member	
K. Kishore Kumar, Alumnine, Nominee member	

BOS - meeting - 7

14/02/2022, 3

the meeting of BOS (Mechanical Engineering) held February 14, 2022 through offline mode.

BOS (mechanical Engineering) meeting was held on 14-02-2022 at _____ through offline mode.

Agenda for the meeting was as follows

Approve the R20 Regulation for B.Tech Syllabus to III & IV Year Regulation.

Various points to be discussed with the BOS members regarding few course outcomes for few course as per the suggestions of University Nominee Dr. N.V.S. Raju gave professor, JNTUH and other members.

BOS members discussed and approved the R20 Regulations including introducing new courses for B.Tech programme.

Points discussed on the detailed syllabus of each subject course outcomes & objectives.

Discussed about the syllabus of III & IV year B.Tech and approved by the BOS (mechanical Engineering) members.

As per the BOS meeting - 5 on 21/11/2020. The course structure for B.Tech, I, II, III & IV year mechanical Engineering programme (R20) has been approved including 6 professional electives and 3 open electives.

Introduced new professional electives & open Electives for R20 syllabus as discussed earlier in

The BOS meeting - 5, and it has been approved

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3. AS per the AICTE model circular and to full fill the current scenario subjects has been introduced list of PE'S & OE'S subjects are as follows.

R-20 syllabus for B.Tech III & IV year. Programme
 Professional Elective - 1
 c) Robotics (C35PE6C)

Professional Elective - 2

Plant-Maintenance Reliability Engineering (C36PE4A)
 mechatronics (C36PE4C)

Professional Elective - 3

Fracture Mechanics (C36PE5C)

Professional Elective - 4

Micro Electro - mechanical Systems (C37PE3A)

mechanical vibrations (C37PE3B)

Automation in manufacturing (C37PE3C)

Professional Elective - 5

Tribology (C37PE4A)

Additive Manufacturing (C37PE4C)

Professional Elective - 6

Computational Fluid Dynamics (C38PE2A)

flexible manufacturing systems (C38PE2B)

Open Electives

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14/02/2022

17

In the meeting JNTUOH Nominee suggested that professional research subject which is mentioned in the syllabus 'Humanity Science' (HS) class code to be modified to (Professional course).

Same as noticed to the academic counselling meeting. As per the suggestion of nominee JNTUOH Dr. N.V. Raj it has been modified and approved by the academic counselling meeting.

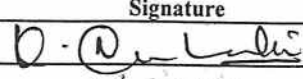
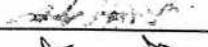


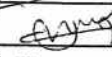
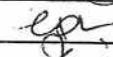

Industrial expert - CH. Raghunath suggested to include practical knowledge (or) Assignment in the syllabus itself. Same points are suggested by other subject experts. minor degree course structure and syllabus approved by the CSE department and it will be implemented for mechanical engineering students.

skills :-



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Board of Studies Meeting - 7

Name	Designation	Designation in BOS	Signature
Naveena Latha	Associate Professor, DME, TKRCET.	Chairman	
S. Raju	Professor, JNTUH CEJ	University Nominee	
Chhara Reddy	Professor and Principal, BSIT, Hyderabad.	Subject Expert-1	
Umamaheshwar Rao	HoD, ME, JBIT, Hyderabad.	Subject Expert-2	
Chughu	Managing Director, Hyderabad, Shine Aero	Industrial Member	
Chopala Krishna	Professor & HoD, ME, TKRCET.	Member	
Shahid	Professor, DME, TKRCET.	Member	

Date: 15.10.2022.

AGENDA OF 8th BOARD OF STUDIES MEETING - B. Tech (ME)


- ✓1. To modify and approve the R-22 regulation course structure for B.Tech I Semester to VIII Semester.
- ✓2. To modify and approve the R-22 regulation syllabus for B.Tech I semester to IV Semester.
- ✓3. To review the new subjects introduced in R-22 regulation.
4. Approval of any other item with the permission of Chair.

The following changes/modifications has been carried out in R-22 syllabus compare to R-20 Syllabus

- i. Python Programming theory and Python Programming lab is introduced to understand the strings, lists and dictionaries in python.
- ii. The subject Engineering Graphics is modified as Computer Aided Engineering Graphics to draw various drawings by using computer in addition to manual drawing.
- iii. The subject Machine Drawing is modified as Computer Aided Machine Drawing to draw all machine components in computer in addition to manual drawing.
- iv. The subject Production Drawing is modified as Computer Aided Machine Drawing to draw all machine components in computer in addition to manual drawing.




Dr. G. Gopala Krishna
Chairman, BOS and HoD – ME



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List of BOS Members

S. No	Name	Designation	Designation in BOS	Signature
1	Dr.G.Gopala Krishna	Professor and HoD, ME, TKRCET.	Chairman	
2	Dr.N.V.S.Raju	Professor and HoD, ME, JNTUH, Hyderabad.	University Nominee	
3	Dr.Sridhara Reddy	Professor and Principal, Bandari Srinivas Institute of Technology, Hyderabad.	Subject Expert-1	
4	Dr.M.Devaiiah	Professor, Geethanjali College of Engineering and Technology, Hyderabad	Subject Expert-2	
5	Mr.CH.Raghu	Managing Director, Shine Aero, Hyderabad.	Industry Expert	
6	Mr.A. Kiran Kumar Yadav	Associate Professor, DME, TKRCET.	Member	
7	Mr.T.Dhanunjay Singh	Associate Professor, DME, TKRCET.	Member	
8	Mr.B.Syed Shahid	Assistant Professor, DME, TKRCET.	Member	
9	Mrs. Ch. Narmada	Assistant Professor, DME, TKRCET.	Alumni Nominee	


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T K R COLLEGE OF ENGINEERING & TECHNOLOGY

CIVIL ENGINEERING DEPARTMENT 3

First Board of Studies (1st BOS)

Minutes of Meeting held at Civil Engineering Placement Cell
On 6-8-2017

AGENDA:



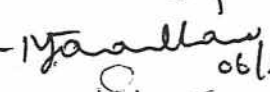
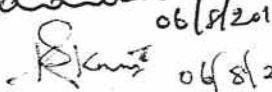
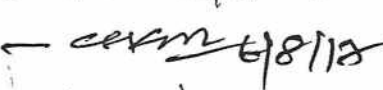
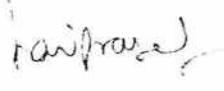
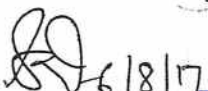
1. Approval of Syllabus for I-year;
Engineering Mechanics, Engineering Graphics and Engineering Workshop.

Minutes of Meeting:

1. The B.O.S meeting concluded that the following changes are to be made:

- (a) In Engineering Mechanics Course Unit-II will be added with sub topic of Ladder Friction.
- (b) In Engineering Graphics Course Unit I will be added with sub topic of Vernier scales.
- (c) In Engineering Mechanics Text Books by R.K. Bansal and S.S. Bhavikatti are being included. Ref. Book; Engineering mechanics by R.C. Hiple is added.
- (d) In Engineering Graphics Text book of Engg Drawing by Gupta Krishna and other text book by N.D. Bhatt are added, later is removed from Reference Book.

Members Present:

1. Dr. Durai Arubeyam  chairman
2. A. Ramesh 
3. G. Tirupathi
4. Dr. M. Janardhana -  06/8/2017 Prof-JNTUH/Member
5. Dr. K. Sravan Kumar -  06/8/2017
6. Dr. C.S.V. Subrahanya Kumar -  6/8/17
7. Dr. C. Haniprasad - 
8. Ms. M. Malla Reddy
9. Mr. K.V.R. Satya Sai  6/8/17

2nd Board of studies Meeting

Second Board of studies (B.o.s) meeting held at Civil Engineering cell on 06-10-2017 between 11:00 AM to 01:00 PM.

AGENDA:

- 1) Approval of Course structure & Syllabus for B.Tech II Year Civil
- 2) Approval of Course structure for B.Tech III & IV Years Civil En

Minutes of Meeting:

The B.o.s meeting suggested the following changes to the JNTUH B.Tech II Year I semester & II Year II Semester Engineering syllabus:-

1) Text Books and References are rearranged and modified in the following B.Tech II Year - I semester and II Semester
CE-302 ES strength of Materials-I, CE-303 ES Fluid Mechanics
CE-304 ES Building Materials, Construction and Planning, CE-305 ES Surveying, CE-306 ES strength of Materials Lab, CE-401 ES & Materials -II, CE-402 ES Fluid Mechanics -II and CE-403 ES Structural Analysis.

2) B.Tech II Year I semester, CE-304 ES Building Materials, Construction and Planning; Course outcomes is modified as 'At the end of the course student will be able to identify various building materials required for good quality construction & better Planning'.

3) B.Tech II Year I semester, CE-307 ES Computer Aided Design Lab; In course outcomes serial no.4,5 and line no.2 a) 'Single storied buildings' is corrected as 'single storey buildings' and b) 'Multi storied buildings' is corrected as 'Multi storeyed Buildings'.

4) B.Tech II Year II Semester, CE-401 ES Strength of Materials-II; In Unit IV under Thick Cylinders section, line no.3 'Necessary difference of radii for shrinkage' is modified as 'shrink fit Allowance'.

5) B.Tech II Year II Semester, CE-403 ES Structural Analysis; In Unit-II, under the sub topic 'Analysis of Perfect Frames' is added with a new topic of 'Tension coefficient method for pin jointed plane frames' as last sentence.

6) In JNTUH B.Tech II Year I semester, Course structure serial no.7 'CE 307 ES Computer Aided Design-I Lab' is corrected as 'Computer Aided Drafting Lab'.

7) Tentatively formulated Course structure for B.Tech III Year I semester, III Year II Semester, IV Year I semester and IV Year II Semester is attached along with this minutes of meeting. The same will be modified after JNTUH release the new R-16 Course structure for B.Tech III Year I semester, III Year II Semester, IV Year I Semester and IV Year II Semester, accordingly.

Members Present

1. Dr. Durai Arulneyam	Chairman	6.10.2017
2. Mr. A. Ramesh	Member	6.10.17
3. Mr. G. Tirupathi	Member	6.10.17
4. Dr. M. Janardhana	Prof-JNTUH/Member	06/10/2017
5. Dr. K. Sravan Kumar	Member	06/10/2017
6. Dr. C.S.V. Subrahmanya Kumar	Member	06/10/17
7. Dr. C. Hari Prasad	Member	6/10/17
8. Mr. Malla Reddy	Member	6/10/17
9. Mr. K.V.R. Satyasai	Member	6/10/17

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6/10/17

10 Civil Engineering Department
3rd Board of studies Minutes of Meeting.

08/07/2

Third Board of studies (B.O.S) meeting held at Civil Engineering placement cell on 08.07.2018 between 10.00 AM to 12.00 PM.

AGENDA:

- 1) Approval of III - I, III - II Autonomous syllabus as per JNTUH.
- 2) Approval of IV - I, IV - II syllabus structure (Tentative) as per JNTUH.
- 3) Approval of R18 Model curriculum course structure for I, II, III & IV Years.
- 4) Approval of R18 Model curriculum for I Year syllabus (Engineering Graphics I-II, Engineering Workshop I-II, Engineering Mechanics I-II and computer Aided design Lab I-II) with max 15% deviation for JNTUH.

Minutes of Meeting:

The B.O.S meeting suggested the following points include modifications and changes.

- 1) The total credit of R17 course structure (III & IV Year) increased to 201 credits as per the TERCET academic regulations for the year 2017-18.
- 2) In B.TECH - III Year I semester, course structure, Professional Elective - I has been added that consist of the following optional subjects : 1. Bridge Engineering, 2. Construction Equipment, and materials and 3. Traffic Planning and Design

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In B.TECH - III Year I semester: In Concrete Technology subject subtitle of crack basic concept is added under unit - III

books and reference books have been rearranged. Reference books of IS 456-2000, Plain and reinforced concrete - code of Practice and IS 10262-2009 are added. In Design of Reinforced concrete structures subject, a text book of "Reinforced concrete Design" by N. Krishna Raju is added. In Water Resource Engineering subject, subtitles of SCS curve number and Introduction of Flood frequency, are added under unit-II. Also a text book of "Irrigation and hydraulic structures" by S.K. Garg, Khanna Publishers is added. In Fundamentals of Management subject, subtitles of stress management and counseling and Management of change are added. Also a reference book of Harold Koontz and Heinz Weihrich, 2010, Essentials of Management, TMH is added. In Concrete Technology Lab, a reference book of IS 516(1959) - Method of Tests for strength of concrete is added.

4) In B.TECH - III Year II semester course structure, Professional elective - III has been added that consist of the following optional subjects: 1. Ground Improvement Techniques. 2. Infrastructure Planning and Management. 3. Elements of Earthquake Engineering.

5) B.TECH III Year II semester: In Design of steel structures subject, reference books of IS 800-2007 and SP-6 are added. In Environmental Engineering subject, text book of "Water supply and Environmental Engineering" by J.S. Birdie and G.S. Birdie, dhanpat raj Publications and "Environmental Engineering" by S.K. Garg, Khanna

subtitles of sieve analysis, consistency limits and indices and its classification of soil are added under unit-I. Also a reference book of "Soil Mechanics and foundation engineering" by Dr. A.R. Arora, standard Publisher and Laxmi Publication are added. In Professional Elective -I, Air pollution and control subject, a reference book of "Air pollution and control techniques by D. Anjaneyulu, allide publishers, Mumbai is added. In Professional Elective -II Advanced structural Analysis, pre requisites (Basic Mathematics, Engineering Mechanics, strength of Materials and structural Analysis-I) is added. Similarly, a subtitle of Elastic curve is added under unit-II, a subtitle of system approach for using stiffness and flexibility method is added under unit-III. Also text book of "Indeterminate structural analysis" by K.U. Mutthu et-al, I.K. International Publishers & other 2 text books - "Basic structural analysis" by K.U. Mutthu, Maganti Janardhana, Azmi Ibrahim I.K. International Publisher and, structural Analysis vol-I & II by Bhavikatti, Vikas Publisher are added. In professional elective -III Ground water development & Management, a reference book of Ground Water assessment, development and Management by K.R. Venkath, Tata H.C. Girahill Education, 1987 is added. In Professional elective -IV, Earth and Rockfill dams and slope stability, a reference book of soil strength and slope stability, J. Michael Duncan, Stephan G. Wright, Thomas Brandon, Wiley publisher is added. In soil Mechanics lab Determination of specific gravity of soil by pycnometer experiment is added







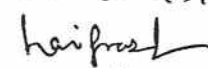


⑥ In B.TECH - II Year 2 semester, Course structure, Professional elective -VI has been added that consist of three options

7) In JNTUH - R17 (R16 Modified) Course structure credits for B.TECH in Year I semester, in Year II semester and in Year - I semester have been increased from 24 to 27 credits.

8) The R18 Model curriculum (2018-19) for B.TECH I semester to VIII semester have been finalised with the following credits : semester I - 22 credits, semester II - 19.5 credits, semester III - 19.5 credits, semester IV - 19.5 credits, semester V - 19 credits, semester VI - 22 credits, semester VII - 21.5 credits and semester VIII - 17 credits with totaling of 160 credits. Project Work will be carried out in 2 stages during VII and VIII semester.

9) The syllabus of I year (I and II semester) R18 - Model curriculum (2018-19) has been finalised for the following subjects : Engineering Graphics - I, Engineering Workshop I-II, Engineering Mechanics I-II, and Computer Aided design Lab I-II.

Members Present

1. Dr. Durai Asulneyam	chairman		8.7.2018
2. Mr. G. Durga Prasad	Member		
3. Mr. G. Tirupathi	Member		8/7/2018
4. Dr. M. Janardhana	Prof - JNTUH / Member		8/7/2018
5. Dr. R. Prem Sudha	Member		
6. Dr. C.S.V Subrahmanya Kumar	Member		
7. Dr. C. Hari Prasad	Member		
8. Mr. Malla Reddy. M.	Member		
9. Mr. K.V.R. Satya Sai	Member		8/7/2018

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Minutes of Meeting

Minutes of Meeting held at civil Engineering placement cell
31/01/2019 between 11 am to

Agenda items:

1. Approval of course structure & syllabus for R17 (Autonomous) - IV year
2. Modification of course structure and incorporation of syllabus in R17 (Autonomous) - III year
3. Approval of course structure & syllabus for R18 (Autonomous - AICTE Model Curriculum) for II, III and IV year
4. Approval of course structure & syllabus for R18 (Autonomous - AICTE Model Curriculum) for I year.

Item 1	Approved	as per	Annexure
Item 2	Approved	as per	Annexure
Item 3	Approved	as per	Annexure
Item 4	Approved	as per	Annexure

Suggestions in MOM:

1. In R17, in III-I, in "Transportation Engineering" 4 IRC code books are included as reference.
2. In R17, in PE-II in III-II sem, in place of "Air pollution & control" subject, suggested "RS & GIS" subject.

III-II to III-I. GIS lab is shifted from III-I to III-II

4. In R17, in IV-I, in "Foundation Engineering" subject, additionally one text book "PC Verghese" is added.
5. In R17, In PE-V, in IV-2, "Transportation of water & waste water" subject is removed and WRE-II added.
6. In R17, in IV-2, in EE lab, included IS Code 10500-2012
7. In R18, in II-I, in "Survey & Geomatics" subject, Unit V: photogrammetry surveying & Remote sensing topics removed.
8. In R18, in II-I, in FM, Unit V: removed Navier Stokes eq, Prandtl contribution.
9. In R18, in II-II, in Engg. Geology, reduced Topics from Unit IV & V
10. In R18, in II-II, Course title "Geotechnical Engineering" is changed to "Soil Mechanics"
11. In R18, in all years labs - Suggested to include min. 12 experiments
12. In R18, in III-I, in DRCCS subject, in Unit I: in Beams topic - Suggested to include topic "Sketch showing the reinforcement details".

Members Present

1. Mr. K.V.R. Sathya Sai
2. Dr. M. Janarthana
3. Dr. C.S.V. Subrahmanya Kumar
4. Dr. C. Hari Prasad
5. Mr. M. Malla Reddy
6. Dr. K. Sravan Kumar
7. Dr. Durai Arulnayan
8. Mr. G. Durga Prasad
9. Dr. R. Prem Sudha
10. Mr. B. Srikanth

Chairman

Member/University Nominee

Member

Member

Member

Member

Member/H.O.D

Member

Member

Member

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Minutes of Meeting

Minutes of Meeting held on 21st Nov 2020 - Online mode.

AGENDA

The BOS Committee Recommended & approved the structure (R 20) for B.Tech Civil Engineering programme for 4 years (I, II, III and IV) with the following modifications:

1. As per college BOS Chairman, the recommend credits for Science Courses should be 35 and Engineering courses should be 65.
2. Advised to add a basic course "Introductory to CAD Lab" in 2nd semester.
3. Advised to add 3 Open Electives.
4. The BOS members also suggested the following minor changes in the R 20 course structure:
 - a) In the semester VI, "CAD Lab" title should be changed into "Computer Aided Design and Drawing Lab".
 - b) "Soil Mechanics" and "Soil Mechanics Lab" has to be kept in semester V.
 - c) "Concrete Technology" subject should be kept as Core paper in the semester IV.
 - d) "Ground Improvement Techniques" subject should be moved to Professional Elective in the

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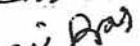
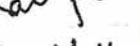
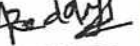



e) In Fluid Mechanics, they suggested to add new topic "Laminar flow, Hagen-Poiseuille equation" in Unit IV.

5) Instead of Fundamentals of management, soil mechanics subject should be studied by readmitted students. (R-17 → R20)

Members Present :-

1. Mr. KVR Satya Sai
2. Dr. S. Vidyavathi
3. Dr. C.S.V. Subrahmanya Kumar
3. Dr. C. Hari Prasad
4. Mr. M. Malla Reddy
5. Dr. A. Raja Rajeswari
6. Mr. B. Sreekanth

chairman
University Nominee
Member
Member
Member
Member
Member

BOS Committee Meeting held on 16-02-2022

Agenda: & Suggestions

A. R20 Model Curriculum for B.Tech. III year and IV years have been finalized with the following minor changes:

(The BOS committee recommended & approved the detailed syllabus of R20 for III year, IV years with the following changes:)

1. Text Books and Reference Books are re-arranged in ~~the~~ the subjects of 3rd year (V and VI semesters) and 4th year (VII and VIII semesters).
2. In Semester V, In "Fundamentals of Management" A text book "Fundamentals of Management by A.R. Aryasri" added
3. In Semester V, In "Fluid Mechanics & Hydraulic Machinery Lab", five experiments of Fluid mechanics are included in addition to HHM experiments. Some experiments are merged.
4. In Semester V, in "Soil Mechanics Lab", Some experiments are reorganized.


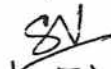
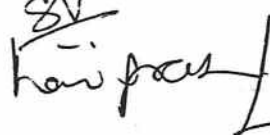

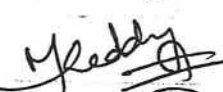


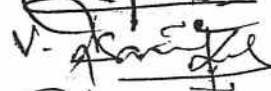

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In Semester VI, "Computer Aided Design & Drawing Lab", the total syllabus was changed.

6. In Semester VI, in "Environmental Engineering" in Unit-V, "Effects of Air pollutants on Man, Material and vegetation" topic removed
7. In Semester V, in professional Elective: "Transportation Engineering", MORTH Specification is added as reference book.
8. In Semester VI, in "Environmental impact Assessment", in Unit V, "ports and Harbor, Airports" topic removed.
Also "mining projects, Nuclear power plant projects, Mining projects (coal, Iron ore)" topic removed.
9. In Semester VI, in professional Elective, "Remote Sensing & GIS" Subject:
In unit II - "IKONOS Satellite Sensor, Blue bird Satellite sensor characteristics" topic is included.
In Unit IV - "GIS Applications: Environment, water Resources and Agriculture" topics ~~are~~ included.
10. In Semester VI, in "Design of steel structures" in unit V: "Design of web splices" topic was removed.
IS 875 part III added in Reference Books

11. In Semester VI, in "Water Resources Engineering-I", in Unit II: "Unit pulse and Unit Step function", "Synthetic Unit Hydrograph" topics are removed. "S-Hydrograph Uses" topic was added. In Unit V: "Design discharge over a catchment, computation of design discharge - Rational Formulae etc." topics were removed.
12. In Semester VI, in "Solid & Hazardous Waste Management", A text book "Solid & Hazardous Waste Management by M.N. Rao, Razia Sultana, Sriharsha Kate" was added.
13. In Semester VII, in "Estimation & Costing", in Unit II: "Estimation of quantities for bridges" was removed.
14. In Semester VII, in "Water Resources Engineering-II", in Unit V - "Design principles of Sarda type fall" topic was removed.
15. In Semester VIII, in "Prestressed Concrete Structures", in Unit III; "Elastic design of psc slabs, cable profile and cable layout" topics were removed.

Members Present:

1. KVR Satya Sai - chairman - 
2. Dr. S. vidyavathi - University ? - 
3. Dr. C. Hari Prasad - ^{Nominee} Member - 
4. Dr. CSV Subrahmanyasa Kumar - Member - 
5. Mr. M. Malla Reddy - Member - 
6. Dr. R. Premsudha - Member - 
7. Mr. A. Ramesh - Member - 
8. Mr. V. Sai Vikas - Member - 
9. Ms. S. Deepika - Member - 


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BOS Committee meeting held on 15-NOV-2022

Agenda :-

R22 Model Curriculum and course structure for B-Tech Civil Programme

① As per BOS committee recommendations, TKRCET R20 course structure and structure revised to R22.

② After thorough BOS meeting, JNTUH has instructed to all the autonomous colleges to revise their course structure and curriculum according to JNTUH Through Letter, L.No: JNTUH/DAP/Guidelines of Autonomous Colleges/2022, dated 27/10/2022.

③ In this view, we are revising R22 course structure and curriculum by completely following JNTUH course structure and syllabus as R22 of TKRCET.

members present :-

1. Sri K.V.R. Satya Sai
2. Sri A. Ramesh
3. Dr. S. vidyavathi
4. Dr. C. Hari prasad
5. Dr. CSV Subramanya Kumar
6. Sri M. Malla Reddy
7. Mrs. S. Deepika
- 8.



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The following modifications are made in R-22 Course Structure

1. PC D13PC5 Surveying Lab - No. of practical hours reduced to 2 → Credits 01
2. PC D13PC6 Strength of Materials Lab - No. of practical hours reduced to 2 → Credits 01
3. PC D14PC12 Fluid Mechanics Lab - No. of practical hours reduced to 2 → Credits 01
4. PC D14PC14 Concrete Technology Lab - No. of practical hours reduced to 2 → Credits 01
5. PC D15PC18 Hydraulics & Hydraulic Machinery Lab - No. of practical hours reduced to 2 → Credits 01
6. ES D5ESCA2 Computer Aided Detailed Drawing Lab - No. of practical hours reduced to 2 → Credits 01
7. PC - D6PC23 Soil Mechanics Lab - No. of practical hours reduced to 2 → Credits 01
8. EC D6ESGL Geographic Information System Lab - No. of practical hours reduced to 2 → Credits 01

9. Semester-I Computer Aided Drawing Lab (DIESDW) has been swapped with Semester-III Python programming Lab (D3ESPPL1).

Members Present :-

1. Sri. K.V.R. Satya Sai
2. Sri. A. Ramesh
3. Dr. S. Vidyaasathi
4. Dr. C. Hari Prasad
5. Dr. CSV Subramanya Kumar
6. Sri. M. Malla Reddy
7. Mrs. S. Deepika

BOS ACTIVITIES

IN THE ENGLISH DEPARTMENT
AT TKRCET



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Board of Studies


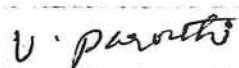




Department of English

Minutes of Meeting for BOS on 7/7/18 at 10. AM.

It is resolved to review B.Tech I yr PCE, ELIS ACS & soft skill syllabus and the following points were jotted down for finalisation of the Course Syllabus.

- (1) In the place of Bud unit letter writing and Report writing were introduced keeping in view of division of 1st & 2nd year syllabus altered.
- (2) Two components (ie) Grammar and Vocabulary were given the most importance along with LSRW
- (3) More practice was given for Receptive skills so that productive skills will be enhanced
- (4) Keeping the corporate needs, some of the topics were included to enhance their advanced communication skills
- (5) with the recommendation of model curriculum a new course was introduced in B.Tech (Soft skills & Interpersonal Comm Skills) including practical exposure with case study.
- (6) Gender Sensitization is highly recommended

The BOS COMMITTEE MEMBERS
who participated in the meeting held on 21/11/21

1. Dr. NVSN. Lakshmi.
BOS English, JNTUH Nominee 
2. Dr. Parvathi.
BOS. English, Nominee. 
3. Dr. Anjaneyulu
BOS English, Nominee. 
4. Dr. D.V.S.R. Anil Kumar
HOD (SQH), TKRCET. 
5. Dr. M. Sudha menon
BOS Chairman, TKRCET. 
6. Mr. N. Muralimohan
BOS. Member, TKRCET 

Department of English
Agenda of the BOS Meeting to be held on
17th October 2022.

The following are the points that need to be discussed in this Board of Studies meeting to be held on 17th October 2022.

1. To discuss the title of the Course for the B.Tech I year Theory class.
2. The text book that needs to be taught for the first year B.Tech Class.
3. The course structure for the B.Tech I year ELCS Laboratory.
4. The new teaching practices that can be adopted to initiate students to speak so that they get rid of their nervousness.
5. To discuss how to mould the III year students in the AECS lab to be Industry-ready.
6. To Assist students on how to participate in a better way in Interviews and Group discussions which would place them in better Jobs in reputed organizations.

12

MINUTES OF THE BOS MEETING. ON 17th October, 2022.

Minutes of the meeting held by the BOS
ENGLISH for deciding the syllabus (R-22)
for the first year B.Tech Theory Course
in English, The English Language and
Communication Skills Laboratory and
Advanced English Communication Skills
Laboratory for the Second or third year
B.Tech Students.

Firs

RECOMMENDATIONS MADE BY THE COMMITTEE MEMBERS.

1st year B.Tech ~~Course~~ Theory Course.

The Committee suggested that the title for the
B.Tech 1st year Theory Course can be changed from
'English' to 'English for Skill Enhancement'

The Theory text book title "English for Engineers"
is being replaced by the new text book
published by Orient Black Swan at JNTUH

The committee has decided that this
new text can be incorporated to teach
the English theory course for B.Tech
1st year

First Year B.Tech Laboratory Course.

1. The lab retains the title "English Language And Communication Skills Lab.". The Committee suggested that the Phonetics Part of the course need to be made more interactive.
2. Teachers can prepare handouts for students in each topic and try to make the sessions more interactive.
3. Group Discussions can be conducted in the ELCS LAB so that students get an awareness of how they need to conduct themselves in such sessions.
4. A new topic on blog writing has been introduced and suggestions were made that teachers need to encourage students to speak more in all the lab sessions.

SECOND/THIRD YEAR B.TECH LAB COURSE.




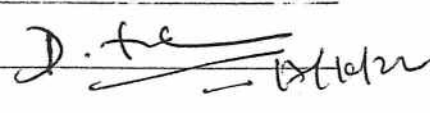
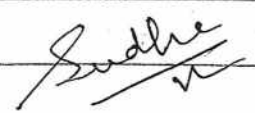
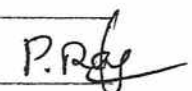
1. The Committee decided to retain the Syllabus as such for the Advanced English Communication Skills Lab for the B.Tech II/III yr students.
- 2: JNTUH is planning to bring about some changes in the Syllabus of Advanced English Communication Skills Lab, but this would be implemented only when the present first year batch students would reach the third year.




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The BOS Meeting was conducted online on ¹⁵/₁₇th Oct, 22
in the Department of English.

The BOS Committee Members
Who participated in the meeting held on 17 Oct, 2022

1. Dr NVSN . Lakshmi
BOS English INTUH Nominee  17/10/2022
2. Dr parvathi .
BOS English, Nominee 
3. Dr Srinivas Suppala .
BOS English Nominee 
4. Dr. DVSR Anil kumar .
HOD , (SE H) 
5. Dr. M. Sudha Menon .
BOS chairman, 
6. Dr. P. Rajendar
BOS member 


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Board of Studies
Department of English
Agenda of BOS Meeting.
Held on 6th Aug 2017.

Agenda of the BOS meeting is to

Finalize the syllabus for autonomous.

Include to develop skill based Syllabus rather than too many texts.

Unit - III & unit - V are advised to develop reading & writing skills exclusively

The inclusion of topics like debate, group discussion and interview techniques should be at basic level for B.Tech 1st year.


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Dr.

1.

2.

3.

4.

Board of Studies

Department of English

Minutes of the Meeting. I 6/08/17.


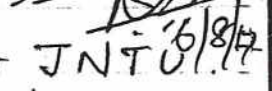
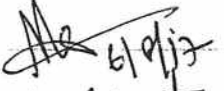


The following minutes of meeting was conducted by BOS Board members and faculty of English department of TKRCET on 6th August 2017.


There ~~is~~ ^{has been} an extensive discussion on the Syllabus of English Subject and English Language Skill Lab for Autonomous body

Many Suggestions were made on professional Communicational skills and English language communication skills lab which is concern to Course Objectives and out comes.

All ~~are~~ Suggestions are welcomed and agreed to make changes accordingly.

Participants

1. Dr. D. V. S. R. Anil Kumar Chairman. 
1. Dr. N. V. S. N. Lakshmi. Subject expert - JNTU. 
2. Dr. K. V. Madhavi Subject expert - GITAM University. 
English Language
3. Dr. D. Bala Tripura Sundari - Industry expert. 
4. Mr. S. Srinivas. Assistant professor TKRCET. 

Mr. M. P. H. Assistant to the Principal. 

Board of studies

Department of English

Agenda of BOS meeting, Held on 7th July 2018

The meeting of the Bos has been decided to be conducted in the English Department.

The Meeting is scheduled for seventh July 2018
at 10:00 AM

Suggestions made by the Board of studies syllabus for the following subjects has been discussed at length and finalised for the following subjects.

⇒ English (Theory) for I B.Tech

⇒ English Language and Communication Skills (ELCS) Lab for I B.Tech.

⇒ Gender Sensitization Lab for II B.Tech.

⇒ Advanced Communication Skills (ACS) Lab for III B.Tech.

⇒ Soft Skills and Interpersonal Communication Skills for III B.Tech / IV B.Tech

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Department of English.

Agenda of the BOS meeting^s held on
- 21 - 11 - 2020.

The following are the points that need to be discussed in this Board of Studies meeting in the virtual mode.

- (1) To finalize the Syllabus for the Academic year 2020 - 21.
- (2) To design the course structures to be used for the I^{yr} engineering theory class.
- (3) To design the structure of course material to be implemented in the AECS & ELCS labs.
- (4) To introduce new topics in the Syllabus that are task based which will help the students improve their communication.
- (5) To finalize the credits to be accorded for the I^{yr} Theory course and for the I & III^{yr} lab courses.

Board of Studies

Department of English

Minutes of the meeting held on 21/11/2020

The Committee suggested that the title for BTech 1st Yr Theory should be changed from Professional Communication Language to English.

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The Committee suggested that the title for BTech 1st Yr Laboratory should be changed from Professional Communication Language Laboratory to English language and communication skills Laboratory.

Also suggested ELCSlab exercise III, in the CALL section the Influence of Mother tongue should be replaced by interference of mother tongue.

Also suggested that ELCS Lab exercise VI in the ICS Lab section the topic Interview skills and Mock Interviews could be replaced by Common errors in English.

It was suggested by the committee to change the order of the sub-sections in the soft skills in Advanced English communication skills.

The committee suggested that in AECS LAB Subject-verb agreement needs to be reframed as agreement of the subject with verbs in person and number.

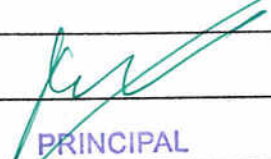
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It also suggested that the topic writing an

Agenda of BOS Meeting

The agenda of the BOS meeting is to

1. Finalize the syllabus for autonomous.
2. Include to develop application based syllabus for engineering subjects.
3. Retain 80% of the JNTU syllabus and 20% of syllabus must be changed with new syllabus.
4. To maintain continuity in the syllabus of different units, the scope of shuffling the units have to be discussed.
5. Discuss about new topics to be introduced.


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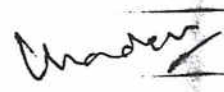


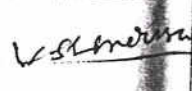


1. Discussed about M-I Syllabus, compared with previous syllabus and suggested to change the order of units in the new syllabus.
2. Accordingly, changed the prescribed textbooks and suggested the following books:
 - (i) Advanced engineering Mathematics - By. S.R.K. Dyengar and Jain
 - (ii) Higher Engineering Mathematics - By Grewal
3. Discussed about M-II syllabus and suggested to change the order of units.
4. Suggested the following textbooks for M-II -
 - (i) Calculus by Thom. E. Postler, Volume 1, Volume 2.
 - (ii) Advanced Engineering Mathematics - By Greenberg.
5. Discussed about M-III syllabus and suggested to remove few topics in 'Statistics', and Numerical Analysis part remains the same.
Suggested the following textbooks:
 - (i) Probability and Statistics by Miller and John. E. Freund.
 - (ii) Numerical Methods by M.K. Jain, S.R.K. Dyengar and R.K. Jain
6. Discussed about M-IV syllabus, few topics from unit -III have been included into unit -I. Another unit has been split into two different

- (i) Complex variable by H.S. Karana
- (ii) Complex variable by Shyam outline series
- (iii) Higher Engineering Mathematics - By Grewal.

7. Discussed about 'MFCS' syllabus and suggested to change the order of units and also suggested to rename a unit. Following textbooks are suggested:

- (i) Discrete Mathematics - By Joe-L. Mott
- (ii) Discrete Mathematics and its Application - Kenneth H. Rosen

8. Taking into consideration of all the above suggestion, appropriate changes would be made in the syllabus.

1.	Dr. D.V.S.R Anil Kumar	Prof & Head Dept of Hqs	Chairman	
2.	Dr C. Umadevi	Professor	member	
3.	Dr. S. Thiagarajan	Professor	Member	
4.	Dr Venkata Sundarand Putha	ASSO. Professor	member	
5.	Dr V Srinivas Kumar	Asst. Professor	member	
6.	Dr G Leetarama Brahmam	Senior Consultant	member	
7.	Dr J Pramada	ASSOCI Professor	member	
8.	A. Meena	ASSO. Professor	member	

Agenda of BOS Meeting Dated 7.7.18

The agenda of the BOS meeting is to

- i) Finalise the syllabus for autonomous for the year 18-19
- ii) Course structure for the academic year 2018-19
- iii) Include to develop application based syllabus for Engineering subjects.
- iv) To maintain continuity in the syllabus of different units, the scope of shuffling the units have to be discussed.
- v) Discuss about new subjects in second year I & II sems for different Engineering branches
- vi) Discuss about new topics to be introduced.

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Minutes of the meeting

7.7.18

1. Discussed about M-I syllabus, compared with previous syllabus and suggested to change the order of units in the new syllabus, also suggested to add the new syllabus for the purpose of application oriented write.

2.

2. Accordingly, changed the prescribed text books and suggested the following text books for M-I & M-II

- i) Advanced Engg Mathematics, by Greenberg, Pearson education
- ii) Advanced Engg Mathematics, by S.R.K. Iyengar & Jain R.K.

3. Discussed about M-III of ~~unit Engg~~ ~~and~~ all branches and suggested the common syllabus for EEE, ECE, ~~and~~ ~~IT~~

4. Suggested the common ^{M-III} syllabus for Mechanical, civil, CSE & IT departments

5. Discussed about M-IV syllabus and suggested common syllabus for ECE & EEE.

6. Discussed about M-IV syllabus of Mech, civil, CSE, IT and suggested common paper. ~~for~~ i.e Numerical methods.

7. Discussed about discrete Mathematics syllabus and suggested the following textbooks.

- i) Discrete mathematics by Ronald Graham
- ii) Graph theory by ~~Prakash~~ Deo.







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Taking into consideration of all the above suggestion, appropriate changes would be made in the syllabus.

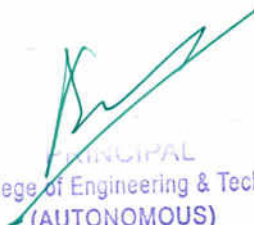
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|----|-------------------------|-----------------------------|---|
| 1. | Dr. D.V.S.R. Anil Kumar | Prof & Head. Dept of
H&S | D. S.  |
| 2. | Dr V. Srinivasa kumar | Asst. Professor | V. S.  |
| 3. | Dr S. Thiagarajan | Professor | S.  |
| 4. | Dr J. Pramada | Professor | Pramada  |
| 5. | Dr C. Umadesi | Professor | Umadesi  |
| 6. | A. Meera | Asso. prof | A.  |


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Agenda of BOS meeting dated: 21.11.20

The agenda of the BOS meeting is to

- i) Finalise the syllabus for autonomous for the year 20-21
- ii) Course structure for the academic year 2020-21
- iii) Include to develop application based syllabus for Engineering subjects.
- iv) Proposal to frame the syllabus according to different streams of Engineering.
- v) Discuss about new topics to be introduced
- vi) Discuss about new subjects in second year I & II Semesters for different Engineering subjects.


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DEPARTMENT OF SCIENCE & HUMANITIES

MATHEMATICS SUBJECTS- (R-20)


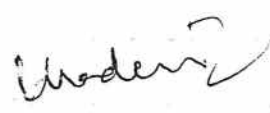
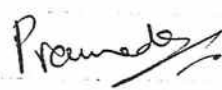



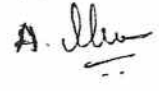

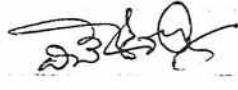

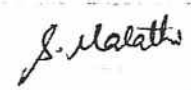

Name of the department	Semester	Subject name	Number of credits
Civil	I	1 Linear algebra, calculus & partial differential equations	3
	II	2 Ordinary differential equations & vector calculus	3
	III	3 Numerical methods	3
	IV	4 Probability & statistics	3
Mechanical	I	5 Linear algebra & applied calculus	4
	II	6 Ordinary differential equations & vector calculus	4
	III	7 Probability & statistics and complex variable	4
	VII	8 Operations research	3
ECE	I	9 Linear algebra, calculus & ordinary differential equations	4
	II	10 Transform theory	4
	III	11 Complex analysis & vector calculus	4
EEE	I	12 Linear algebra & applied calculus	4
	II	13 Ordinary differential equations, transforms & vector calculus	4
	III	14 Probability, numerical methods & complex analysis	4
CSE	I	15 Linear algebra & graph theory	3
	II	16 Ordinary differential equations & vector calculus	3
	III	17 Mathematical foundations of computer science	3
	IV	18 Probability & statistics	3
IT	I	19 Linear algebra & graph theory	3
	II	20 Ordinary differential equations & vector calculus	3
	III	21 Mathematical foundations of computer science	3
	IV	22 Probability & statistics	3
Data Science	I	23 Linear algebra & graph theory	3
	II	24 Ordinary differential equations & vector calculus	3
	III	25 Statistical Methods	3
	IV	26 Probability and Algebra	3
AI&ML	I	27 Linear algebra & graph theory	3
	II	28 Ordinary differential equations & vector calculus	3
	III	29 Statistical Methods	3
	IV	30 Probability and Algebra	3
SUBSTITUTE SUBJECTS R-18			
CSE, IT	III	31 Complex Analysis	3
CIVIL,EEE MECH,ECE	III	32 Mathematical Foundations	3


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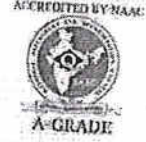
The following topics were discussed:

1. Suggested to give credits to tutorial classes.
Suggested to allot faculty for tutorial class and it should be mentioned in the timetable.
2. Number of teaching hours must be mentioned against each unit.
3. In the title of each paper the year (I, II, III, IV) along with the semester must be mentioned.
4. In 'Numerical methods and Transforms' it is suggested to include 'Iteration method' in unit I.
5. Suggested to maintain balance of syllabus among all units.
6. In 'AI & MI' branch, suggested that IV semester paper title 'Probability and Advanced Algebra' has to be changed to 'Probability and Algebra'.
7. Suggested that in 'Data Sciences' more concepts of Mathematics and statistics have to be introduced even in higher semesters.

Taking into consideration of all the above suggestions, appropriate changes ^{would} have been made.

1. Dr. DVSR. Anil Kumar Prof and Head
Science & Humanities
Department 
2. Dr. C. Uma devi Professor 
3. Dr. J. Pramada Professor 
4. Prof. P. Venkata Sundarand Professor 
5. Prof. N. Kishan Professor  17-10-2020
6. Dr. Y. Rajashakar Reddy Asst. Prof & Head
JNTUH CEJ 
7. Ms. A. Meena Asso. Prof 
8. Dr R. P. Sridevi Professor 
9. Mr. V. Omeshwar Reddy Asst prof 
10. Mr. M. Shiva Krishna Asst Prof 
11. Ms. S. Malathi Padmaja Asst prof 
12. Mr. G. Shankar Asst Prof 

Phone: Off: +91-40-23152216
Website : www.jntuh.ac.in
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD**

(Established by Govt. Act No. 30 of 2008)

Kukatpally, Hyderabad – 500085, Telangana, India

Dr. M. Manzoor Hussain

M.Tech., Ph.D.,

Professor of Mechanical Engineering &

REGISTRAR

Lr. No. JNTUH/DAP/ Guidelines of Autonomous colleges/2022

Date: 27.10-2022

To
The Principals /Directors
University Colleges / Units / Autonomous Colleges / Affiliated Colleges of JNTUH.

Dear Sir/Madam,

SUB: JNTUH, Hyderabad – Director of Academic & Planning – Academic Guidelines
for autonomous colleges -Reg.

In recent students transfers from one autonomous college to other autonomous college it has been observed many discrepancies in the course structure, credits, subject titles and the corresponding syllabus that are being followed by various colleges. The result is the merit and genuine students needs to reregister for the same courses when transferred to other colleges. Keeping in view of these, it is here by directed that all the autonomous colleges have to follow the below guide lines while conducting BoS meetings with the approval of JNTUH BoS nominees in all the subjects

Academic Guidelines to be followed by autonomous colleges under JNTUH as per R22 UG/PG regulations and syllabus:

1. It is mandatory that all the JNTUH nominated faculty from Sciences & Engineering groups shall be present in common BoS meetings.
2. JNTUH nominees shall see that the academic regulations are the same as per JNTUH regulations in terms of total credits semester-wise, subject-wise and group-wise with 20 credits in each semester.

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3. The syllabi for Mathematics, Physics & Chemistry etc shall be the same for all branches. There shall not be any reduction in credits for Basic Sciences, Humanities & Social Sciences and Engineering Science courses.
4. Notionally, there may be up to 20% deviation in each course content as per R22 course content.
5. Detained list of students due to less internal marks shall be maintained separately (as per R22) in addition to credit detention and attendance detention lists.
6. Colleges are flexible in offering Professional Electives with prerequisite courses, Open Electives, Internship/ Summer Training/ Skill Development Programs related to advancements in emerging areas. Standard core courses relevant to the branch shall be maintained
7. The total no. of credits shall be 160 for B.Tech programs. There is NO exception of credits and no additional credits to be studied for the award of UG/PG degree (for R18 / R22 regulations). Similarly for PG programs as per R22 regulations.
8. Any skill development / certificate programs / placement activities may be conducted beyond regular class hours.
9. Also, AICTE suggest, the relevant content with reference to concerned branch keeping in mind while framing the courses.
10. Semester-wise results processing shall be under the supervision of JNTUH examination branch. A copy of results shall be submitted immediately to the concerned officer to submit to JNTUH for final award of degree. There shall not be any deviation in a copy submitted and final list for award of degree.


27/10/22
REGISTRAR

To:

The Principals / Directors of all the Constituent Colleges / Units, Autonomous Colleges and Affiliated Colleges of JNTUH for Circulation.

Copy to:

1. P.A. to Vice Chancellor, P.A. to Rector, P.A. to Registrar
2. JNTUH BOS Nominees to autonomous colleges.


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Agenda of BOS meeting Dated: 17-10-2022

The agenda of the BOS meeting is to

1. Finalize the syllabus for Autonomous.
2. Include to develop application based syllabus for engineering subjects.
3. To maintain continuity in the syllabus of different units, the scope of shuffling the units have to be discussed.
4. Discuss about new topics to be introduced.
5. Frame syllabus in accordance to the requirement of respective branches.
6. To frame Ist, IInd, IIIrd semester Mathematics syllabus for 4 credits each.


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Minutes of the meeting, dated: 17.10.2022

The following topics were discussed.

1. Number of teaching hours must be mentioned against each unit.
2. Suggested to give ~~credits~~ allot faculty for tutorial classes and it should be mentioned in the timetable.
3. Suggested to change the titles according to the topics. EM should be changed to LA&ODE
4. In the title of each paper, year and semester must be mentioned.
5. Recommend 3 faculty (for 20 student per one faculty) for each ~~tutorial~~ class.
6. Suggested to change the title for civil & mechanical branches. Numerical methods is changed to numerical methods and its applications.
7. Suggested to change the titles of units.
8. (In EM the titles are changed.
The unit is changed to ordinary differential equations of first order, first degree and its applications.
unit - iv is changed to Second order ordinary linear differential equations)

Taking into consideration of all the above suggestions, appropriate changes would be made

- | | | |
|-----------------------------|--|-----------------------|
| 1. Dr. DVSR Anil Kumar | Prof and Head
Science and
Humanities
Department | D. G. <u>17/10/22</u> |
| 2. Dr. C. Uma Devi | Professor | Umadi <u>17/10/22</u> |
| 3. Dr. R. P. Sreedevi | Professor | P.P. <u>17/10/22</u> |
| 4. Dr. N. Kishan | Professor | <u>17/10/22</u> |
| 5. Dr. Y. Rajashankar Reddy | Professor | <u>17/10/22</u> |
| 6. Dr. T. V. A. P. Sastry | Professor | <u>17/10/22</u> |
| 7. A. Meena | Asst. Professor | A. <u>17/10/22</u> |
| 8. Ch. Rajeswari | Asst. Professor | S. <u>17/10/22</u> |
| 9. Tahmeena | Asst. Professor | <u>17/10/22</u> |
| 10. M. Shiva Krishna | Asst. Professor | <u>17/10/22</u> |

Umadi
Dr. Y. Rajashankar Reddy
(University Namer)
17/10/2022

TKR College of Engineering and Technology

Minutes of the meeting dated : 17.10.2022.

The following topics were discussed

- 1) As per the academic guidelines prescribed for autonomous colleges under JNTUH R22 UG regulations and syllabus the course work and syllabus designed by JNTUH is going to be followed by the college TKRCET.
- 2) For the first year first semester the subject titled "Matrices and Calculus" will be retained which will be common for all branches.
- 3) Even for the first year second semester the title will be "Ordinary differential equations and vector calculus"
- 4) a) For the second year first semester the civil and mechanical branches will have the subject titled "Probability and Statistics"
 b) The ECE, EEE branches will have the subject titled "Computer Oriented Numerical methods and Complex Variables".
 c) The CSE, CSM, CSD, IT branches will have the subject titled "Computer Oriented Statistical methods"
 As prescribed by JNTUH R22 UG regulations.

- 5) 12 Credits are allotted for all mathematics subjects in total which includes the mathematics subject for

Taking into Considerations of all the above suggestions, appropriate changes would be made


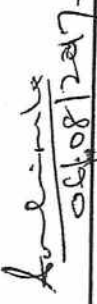





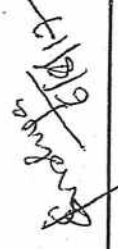
1. Dr. DVSR. Anil Kumar Prof and Head
Science and
Humanities
Department
2. Dr C. Uma Devi Professor
3. Dr R.P. Sreedevi Professor
4. Dr N. Kishan Professor
5. Dr Y. Rajashekhara Reddy Professor
6. Dr T.V.A.P. Shastri Professor
7. A. Meena Asst. professor
8. Ch. Rajeswari Asso. Professor
9. Tahmeena Kawkab Asst. professor
10. M. Shiva Krishna Asst. professor

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Sponsored by TKR Educational Society, Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad, Accredited by NBA)

Department of PHYSICS Composition of BOS

Board of studies of every department shall be constitute as per the UGC guidelines

S. No	Category	Name	Position (Status)	Designation in	Subject Specialization	Signature
1	Head of the Department concerned.	Dr. B. RAJINI KANTH	Professor and Head Science & Humanities Department	Chairman	Materials Science	
2	The entire of each specialization.	Dr. B. NARSIMHA	Professor	Member	Materials Science	
		Mr. M. VENKATESWARLU	Assoc. Prof	Member	Solidstate Physics	
3	Two experts in the subject from outside the college to be nominated by Academic council.	Dr. B. BHANU PRASAD	Professor	Member	Solidstate Physics	
		Dr. D. SRINIVAS REDDY	Professor & Dean and Controller of Examinations GNITC	Member	Materials Science	
4	One expert to be nominated by the vice-chancellor from a panel of six recommended by the college principal.	Dr. K. VIJAYA KUMAR JNTUH Nominee	Associate Professor, JNTUH CEJ	Member	Materials Science	
5	One representative from industry/Corporate sector/allied area relating to placement.					
6	One postgraduate meritorious alumnus to be nominated by the principal.					
7	The Chairman, Board of Studies, may with the approval of the principal of the college, co-opt a) Experts from out side the college whenever special courses of studies are to be formulated. b) Other members of staff of the same faculty .	Dr. P. VENKAT REDDY	Professor	Member	Condensed Matter Physics.	
		Mrs. G. SANDHYA	Assoc. Prof TKR College of Engineering & Technology (ALITONOMBUS)	Member	Solidstate Physics	

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Minutes of the meeting

7 6/8/17


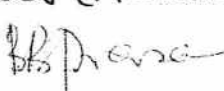
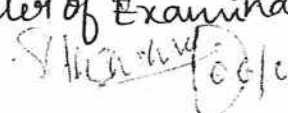

The following are the minutes of meeting held at TKRCET on 6th August 2017 on BOC meeting

1. It is resolved to discuss the Autonomous syllabus sem wise.
2. Appropriate course details and other recommendations were reviewed.
3. practical based and outcome based education is discussed.
4. Syllabus is thoroughly discussed.

There is an extensive discussion on the syllabus of Engg physics and Engg. physics lab for Autonomous body.

Few suggestions were made on Sem-I syllabus All the suggestions were welcomed and agreed make changes accordingly.

Participants

1. Dr. B. Rajenikanth - professor & Head, Science & Humanities I chairman  6/8/17
2. Dr. K. Vijaya Kumar - Assoc. prof. JNTU NOMINEE CET (Member)
3. Dr. B. Bhanu prasad - professor, MVSR (Member) 
4. Dr. D. Srinivas Reddy - professor & Dean & Controller of Examinations GNITC (Member) 
5. Dr. B. Nataraj - Professor (Member) 

Minutes of the Meeting

PRINCIPAL

TKR College of Engineering & Technology
(AUTONOMOUS)

Meerpet, Hyderabad - 500097.

9
7/7/18

The following are the minutes of the meeting held at TKR College of Engineering & Technology on 7th July 2018 in the BOS Meeting.

- (1) It is resolved to discuss the Autonomous syllabus sem wise.
- (2) Appropriate course details and other recommendations were reviewed.
- (3) Practical based and outcome based education is discussed.
- (4) Syllabus is thoroughly discussed.

There is an extensive discussion on the syllabus of Engg. physics theory & lab and also for Applied physics-I theory & Applied physics-II theory, lab for Sem-I & II of Autonomous college.

Few suggestions were made on Sem-II syllabus for Mech & Civil and the title was given as Engg. physics both theory & lab made changes accordingly. For ECE & CSE, EEE, IT is kept for two semesters and named as Applied physics-I theory & applied physics-II theory and lab. made changes accordingly.

Participants: Dr. B. Rajinikanth - Professor & Head, S+H Dept
② Dr. K. Vijaya Kumar - Assoc. Prof, JNTU NOMINEE CEJ (Member)
③ Dr. B. Bhanuprasad - Professor, MVSRC College (Member)
④ Dr. ... (Member)

Minutes of the meeting

21/11/2020

11

PRINCIPAL
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Medbowli, Meerpeta, Hyderabad-500097

BOS meeting is conducted on 21 NOV 2020 in the department of physics for deciding the syllabus of Applied physics and Engineering physics both theory and laboratory through online mode.

The following points were discussed by the members and amendments were made in finalising the syllabus for applied physics both theory and laboratory proposed by chairman BOS physics.

1. The Regulations were changed from RR-18 to R-20.
2. The Subject titles for ECE, CSE, IT, AI, ML and EEE as Applied physics and Applied physics laboratory.
3. The title of Unit-I in Applied physics suggested syllabus was appropriately changed as Electronic theory of solids instead of Electronic Materials.
4. Also the title of unit-II is changed to introduction to semiconductors instead of Semiconductors.
5. In Unit-II the term in brackets equilibrium carrier statistics suggested to remove.
6. In unit-III the brackets for Fermi-golden rule have to be removed.
7. In Unit-IV Avalanche photodiodes were included.
8. The course objectives and outcomes have to be written as per the syllabus.
9. The Laboratory list of experiments were carefully arranged any eight experiments were compulsory out of ten experiments.

The following points were discussed by the members in deciding the syllabus for Engineering physics theory and laboratory which is proposed for civil and Mechanical branch students.

The following points were discussed by the members and emendments were made in finalising the syllabus proposed by the chairman BOS physics.

1. In unit-I the last topic the power absorbed by the oscillator was removed to reduce the bulkiness of the unit.
2. In Unit-II the lengthy topics of Eigen frequency Acoustic waves and speed of sound waves were removed.
3. In unit-III (wave optics) is divided into two units Interference and Diffraction and the titles were given for unit-III is Interference of waves and unit-IV Diffraction.
4. In Unit-V N-slit diffraction is replaced as diffraction grating and the topics appropriately arranged and new topics of X-ray diffraction with crystal planes, Bragg's law, Laue and powder methods were included.
5. In Unit-VI Einstein's coefficients were included and CO₂ laser and semiconductor laser were removed, in fiber optics the topics related

15/10/2022

Minutes of the meeting

PRINCIPAL
TKR College of Engineering & Technology
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Medbowli, Meerpet, Hyderabad- 500097.

Bos meeting is conducted on 15th OCT 2022 in the department of physics for framing the syllabus for Engg. physics and Applied physics - Theory and Laboratory

1.


The following points were discussed by the members and amendments were made in finalizing the syllabus for Engg. physics & Applied physics - Theory and Laboratory proposed by chairman - Bos physics.

1. The Regulations were changed from R-20 to R-22
2. The subject title for CE, EEE, MECH, ECE is decided as Engg. physics and for CSE, AITML, DS & IT, it was decided as Applied physics.

3. In Engg. physics syllabus unit-I is Quantum mechanics and band theory of solids and unit-II is semiconductors and devices. and unit-III comprises of Dielectric and Energy materials. Unit-IV deals about Magnetic materials and superconductivity while unit-V is on Lasers and fiber optics

The new inclusions are Dielectric and Energy materials (unit-III) and in Unit-IV magnetic materials and superconductivity

4. Engg. physics laboratory comprises 10 experiments of which 9 experiments are compulsory. These experiments are based on theory syllabus


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5. In Applied physics syllabus Unit-I comprises of the topics on Quantum physics, while Unit-II deals with Band theory of solids. Unit-III elucidates topics on semiconductor physics. Unit-IV furnishes thorough knowledge on optoelectronic devices, Dielectric devices and display devices. Unit-V explains about fiber optics and Quantum information science.
6. The Applied physics lab contains 10 experiments out of which 8 are compulsory. These experiments are designed based on theory syllabus.
7. The syllabus of Engg. physics and Applied physics both theory and lab is framed by considering the syllabus of R-22, JNTUH common syllabus and also the AICTE model curriculum syllabus.


The following members were attended the meeting

1. Dr. S. Venkateshwar Rao, professor, BOS physics, JNTUH, CE, JNTUH ^{15/10/22} *homenet*
2. Dr. B. Rajinikanth, professor and Head S&H, chairman BOS - *15/10/22*
3. Dr. J. Anjiah, professor, GCET, Hyd, outside college BOS member *15/10/22*
4. Dr. B. Nageswara, professor and BOS physics, TKRCET. *15/10/22*
5. Mr. M. Venkateshwarlu, Asso. professor, Member BOS, physics, TKRCET *15/10/22*
6. Dr. Azhagiri A, Asst. professor, Member BOS, physics, TKRCET *15/10/22*
7. Mrs. G. Sandhya, Asst. professor, Member BOS, physics, TKRCET *15/10/22*
8. Mrs. R. Seisanti, Asst. professor member BOS, physics, TKRCET *15/10/22*

6. The course objectives and outcomes were properly written as per the syllabus.
7. In the Engineering physics laboratory all the eight experiments were made compulsory.
8. The titles of the experiments were properly arranged.









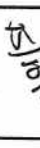
The following members ~~were~~ attended the meeting.

1. Dr. S. Venkateshwar Rao, professor, BOS physics, JNTUH CE, JNTUH Nominee.
2. Dr. B. Rajinikanth, professor and Head S/H, chairman BOS ^{V.K.R.}
3. Dr. J. Anjaniah, professor, GCET, Hyd, Outside college BOS ^{Arjun} member
4. Dr. B. Narsimha, professor and BOS physics, TKRCET ^{Arjun}
5. Mr. M. Venkateshwarlu, Asso. professor, member BOS physics, TKRCET
6. Mrs. G. Sandhya, Asst professor, member BOS physics, TKRCET


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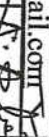


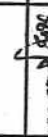


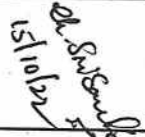
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
Department of PHYSICS
Composition of BOS

Board of studies of every department shall be constitute as per the UGC guidelines

S.No	Category	Name	Position (Status)	Designation in BOS	Subject Specialization	Contact No.	Email ID	Signature
1	Head of the Department concerned.	Dr. B. RAJINI KANTH	Professor and Head Science & Humanities Department	Chairman	Materials Science	7893092879	rajani75@gmail.com	
2	Members	Dr. B. NARSIMHA	Professor	BOS	Materials Science	9490356088	banuvarunparammat23@gmail.com	
		Mr. M. VENKATESWARLU	Assoc. Prof.	Member	Solidstate Physics	9490189395	venkateshwarlunanda@gmail.com	
3	Two experts in the subject from outside the college to be nominated by Academic council.	Dr. A. AZHAGIRI	Asst. Prof	Member	Bio Physics	9952583969	aazhagiri35@gmail.com	
		Dr. J. ANJALIAH	Professor	Member	Materials Science	9441230077	anjaliah.juluru@gmail.com	
4	One expert to be nominated by the vice-chancellor from apanel of six recommended by the Vice Chancellor of University	BHANU PRASAD	Professor	Member	Solidstate Physics	9963105046	bbpprofpby56@gmail.com	
		Dr. S. VENKATESHWARA RAO	Professor, JNTUH CEH	Member	Solidstate Physics	040-23057787	sv_raojntuh@jntuh.ac.in	
5	One representative from industry/Corporate sector/allied area relating to placement.							
6	One postgraduate meritorious alumnus to be nominated by the principal.							
7	The Chairman, Board of Studies, may with the approval of the principal of the college, co-opt a) Experts from out side the college whenever special courses of studies are to be formulated. b) Other members of staff of the same faculty .	Mrs. G.SANDHYA	Asst. Prof	Member	Solidstate Physics	9441719540	ganjisandhya83@gmail.com	
		Mrs. CH. Srishanthi	Asst. Prof	Member	Solidstate Physics	9866336212	srisanthi.chitta@gmail.com	

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
Department of PHYSICS
Composition of BOS

Board of studies of every department shall be constitute as per the UGC guidelines

S. No	Category	Name	Position (Status)	Designation in BOS	Subject Specialization	Contact No.	Email ID	Signature
1	Head of the Department concerned.	Dr. B. RAJINI KANTH	Professor and Head Science & Humanities Department	Chairman	Materials Science	7893092879	rajani75@gmail.com	
2	Members	Dr. B. NARSIMHA	Professor	BOS	Materials Science	9490356088	banarathsumar2@gmail.com	
		Mr. M. VENKATESWARLU	Assoc. Prof	Member	Solidstate Physics	9490189395	venkateshwarlumanda@gmail.com	
		Dr. A. AZHAGIRI	Asst. Prof	Member	Bio Physics	9952583969	aazhagiri35@gmail.com	
3	Two experts in the subject from outside the college to be nominated by Academic council.	Dr. J. ANJALAH	Professor	Member	Materials Science	9441230077	anjalah.juluru@gmail.com	
		BHANU PRASAD	Professor	Member	Solidstate Physics	9963105046	bbpiprofhy56@gmail.com	
4	One expert to be nominated by the vice-chancellor from apanel of six recommended by the Vice Chancellor of University	Dr. S. VENKATESHWARA RAO	Professor, JNTUH CEH	JNTUH Nomin Member	Solidstate Physics	23057787 9949519528	sv_raojntu@jntuh.ac.in	
5	One representative from industry/Corporate sector/allied area relating to placement.							
6	One postgraduate meritorious alumnus to be nominated by the principal.							
7	The Chairman, Board of Studies, may with the approval of the principal of the college, co-opt a) Experts from out side the college whenever special courses of studies are to be formulated. b) Other members of staff of the same faculty.	Mrs. G.SANDHYA	Asst. Prof	Member	Solidstate Physics	9441719540	ganjisandhya83@gmail.com	
		Mrs. CH. Srishanthi	Asst. Prof	Member	Solidstate Physics	9866336212	srisanthi.chitta@gmail.com	

TKR College of Engineering and Technology

Department of Physics

Summary of the First Board of Studies Meeting held on 6/8/2017

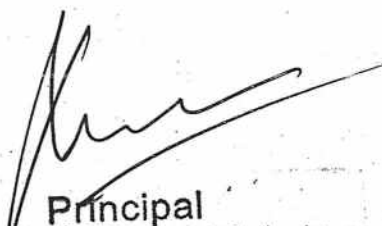
The following are the Minutes of the Meeting held at TKRCET, on 6th August 2017 on BOS Meeting in PHYSICS

1. It is resolved to discuss the autonomous syllabus Semester wise
2. Appropriate course details and other recommendations were reviewed
3. Practical based and outcome based education is discussed
4. Syllabus is thoroughly discussed

Few suggestions were made on Semester-1 syllabus

All the suggestions were welcomed, agreed and made changes accordingly


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(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad- 500097.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

TKR College of Engineering and Technology

Department of Physics

Summary of the Second Board of Studies Meeting held on 7/7/2018

The following are the Minutes of the Meeting held at TKRCET, on 7th July 2018 on BOS Meeting in PHYSICS


1. It is resolved to discuss the Autonomous syllabus semester wise
2. Appropriate course details and other recommendations were reviewed
3. Practical based and outcome based education is discussed
4. Syllabus is thoroughly discussed

There is an extensive discussion on the syllabus, of Engineering Physics theory and lab and also for Applied Physics-I theory and Applied Physics-II theory and lab for Semester-1 and semester-2 of autonomous college.

Few suggestions were made on Semester-1 syllabus for mechanical and civil departments and the title was given as engineering physics both theory and lab made changes accordingly

For Electronics and Communication Engineering and Computer Science and Engineering, Electrical and Electronics Engineering and Information Technology is kept for two semesters and named as Applied Physics-I theory and Applied Physics theory-II and lab made changes accordingly.


PRINCIPAL
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad- 500097.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

TKR College of Engineering and Technology
Department of Physics


Summary of the Third Board of Studies Meeting held on 21/11/2020


The following are the Minutes of the Meeting held at TKRCET, on 21st November 2020 on BOS Meeting in PHYSICS

1. The Regulations were changed from RR-18 to R-20
2. The subject title for ECE, CSE,IT, AI, ML and EEE is decided as Applied Physics and Applied Physics Laboratory and for Civil Engineering and Mechanical Engineering it was decided as Engineering Physics
3. Title of Unit –I in Applied Physics was appropriately changed as Electronic theory of solids instead of electronic materials
4. Also the title of Unit- II is changed to Introduction to semiconductors instead of semiconductors
5. In unit –II the term in brackets equilibrium carrier statistics suggested to remove
6. In unit –III the brackets for Fermi Golden rule have to be removed
7. In unit –V Avalanche photodiodes were included
8. The course objectives and outcomes have to be written as per the syllabus
9. The laboratory list of experiments were carefully arranged and any eight experiments were compulsory out of ten experiments.
10. Stewart gees and BJT characteristics Experiments were included

The following points were discussed by the members in deciding the syllabus for Engineering Physics theory and laboratory

1. The subject title for Civil Engineering and Mechanical Engineering decided as Engineering Physics and Engineering Physics Laboratory
2. In unit- I the last topic the power absorbed the oscillator was removed to reduce the bulkiness of the unit
3. In unit –II the lengthy topics of Eigen frequencies, Acoustic waves and speed of sound were removed.
4. Unit –III(wave optics) is divided into(two units) Interference and diffraction and titles were given for unit-III is interference of waves and unit-IV Diffraction
5. In unit –IV N-slit diffraction is replaced as diffraction grating and the topics appropriately arranged and new topics of X-ray diffraction with crystal planes, Bragg's law, Laue and powder method were included
6. In unit –V Einstein's coefficients were included and CO2 laser and semiconductor laser were removed, In fiber optics the topic optical fiber as a dielectric wave guide and acceptance cone were removed to cut short the lengthy portion
7. The course objective and outcomes were properly written as per the syllabus
8. In the Engineering physics laboratory all the eight experiments were made compulsory
9. The titles of the experiments were properly arranged.


PRINCIPAL
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(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad- 500097.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

4:42 PM

VoWiFi 85



Venkateswara rao S 22/11/2020

to me



Sir,

The BoS meeting was conducted at 3:00 pm on 21.11.2020 to finalize and to approve the Syllabus of I B. Tech. Applied Physics and Engineering Physics(both theory and lab) for the R-20 regulation. The syllabus was discussed in length by involving all the members of the committee and the BoS decided for the approval of the same.

Hence, I, as JNT University Hyderabad nominee, herewith accept and approve the syllabus of I B. Tech. Applied Physics and Engineering Physics(both theory and lab) for the R-20 regulations.

Regards

Dr. S. Venkateswara Rao


M.Sc., Ph.D., MISTE., MISCA.

Professor & Chairman, BoS in Physics**Department of Physics****JNTUH College of Engineering Hyderabad****Kukatpally, Hyderabad - 500 085****Telangana State,**

Ph. (Off) +91-040-23057787, Extn: 4320

Cell Ph: +91-9949519528

email : sv_raojntu@yahoo.co.in



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**TKRCET**

Dr. BHOGOJU RAJINI KANTH <rajinikanth@tkrcet.com>

Fwd: Request for E- mail consent on the approval of the Syllabus of Applied Physics and Engineering Physics(both theory and lab) for the R-20 regulation -Reg

2 messages

HUMANITIES SCIENCES <hands@tkrcet.com>
 To: rajani75@gmail.com, rajinikanth@tkrcet.com

Wed, Oct 12, 2022 at 3:16 PM

----- Forwarded message -----

From: **HUMANITIES SCIENCES** <hands@tkrcet.com>

Date: Sun, 22 Nov, 2020, 12:16 pm

Subject: Request for E- mail consent on the approval of the Syllabus of Applied Physics and Engineering Physics(both theory and lab) for the R-20 regulation -Reg

To: <sv_raojntu@yahoo.co.in>



Cc: <anjaiah.juluru@gmail.com>


Dear Sir,
 I have incorporated all the suggestions and modifications in the Syllabus of Applied Physics and Engineering Physics as directed by you, I am herewith sending you a copy of the same for reference and we need a written consent of approval of this syllabus(through e-mail) for our R20 regulation for upcoming batch students. Kindly acknowledge the same and do the needful.

Thanking you Sir,

yours Sincerely,

Dr. BRK


 Virus-free. www.avast.com
2 attachments
 **EEE, CSE, ECE& IT R20 Syllabus .doc**
65K


 **CIV Mech R20 Syllabus.doc**
102K

HUMANITIES SCIENCES <hands@tkrcet.com>
 To: ace2@tkrcet.com
 Cc: rajinikanth@tkrcet.com

Wed, Jan 25, 2023 at 4:40 PM

[Quoted text hidden]

2 attachments
 **EEE, CSE, ECE& IT R20 Syllabus .doc**
65K

 **CIV Mech R20 Syllabus.doc**
102K


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TKR College of Engineering and Technology
Medbowli, Meerpet Hyderabad
Department of Physical Sciences

Minutes of Meeting in BOS PHYSICS for deciding the syllabus for Applied Physics and Engineering Physics theory and laboratory

BOS Meeting is conducted on 21st Nov 2020 in the Department of Physics through on-line the following members were attended


1. Dr. S. Venkatesara Rao, Professor, BOS Physics, JNTUH CE, JNTU Nominee
2. Dr. B. Rajini Kanth, Professor and Head S&H, Chairman BOS
3. Dr. J. Anjaiah, Professor, GCET, Hyderabad, Outside college member
4. Dr. B. Narsimha, Professor and BOS Physics, TKRCET
5. Mr. M. Venkateswarlu, Associate Professor, member BOS Physics, TKRCET
6. Mrs. G. Sandhya, Asst. Professor, member BOS Physics, TKRCET

The following points were discussed by the members in deciding the syllabus for Applied Physics theory and laboratory

1. The Regulations were changed from RR-18 to R-20
2. The subject title for ECE, CSE, IT, AI, ML and EEE is decided as Applied Physics and Applied Physics Laboratory and for CIV and Mech it was decided as Engineering Physics and Physics Laboratory
3. Title of Unit –I in Applied Physics was appropriately changed as Electronic theory of solids instead of electronic materials
4. Also the title of Unit- II is changed to Introduction to semiconductors instead of semiconductors
5. In unit –II the term in brackets equilibrium carrier statistics suggested to remove
6. In unit –III the brackets for Fermi Golden rule have to be removed
7. In unit –V Avalanche photodiodes were included
8. The course objectives and outcomes have to be written as per the syllabus
9. The laboratory list of experiments were carefully arranged and any eight experiments were compulsory out of ten experiments
10. Stewart gees and BJT characteristics were included

The following points were discussed by the members in deciding the syllabus for Engineering Physics theory and laboratory

1. The subject title for CIV and Mech decided as Engineering Physics and Engineering Physics Laboratory
2. In unit- I the last topic the power absorbed the oscillator was removed to reduce the bulkiness of the unit
3. In unit –II the lengthy topics of Eigen frequencies, Acoustic waves and speed of sound were removed.
4. Unit –III(wave optics) is divided into(two units) Interference and diffraction and titles were given for unit-III is interference of waves and unit-IV Diffraction


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5. In unit –IV N-slit diffraction is replaced as diffraction grating and the topics appropriately arranged and new topics of X-ray diffraction with crystal planes, Bragg's law, Laue and powder method were included
6. In unit –V Einstein's coefficients were included and CO2 laser and semiconductor laser were removed, In fiber optics the topic optical fiber as a dielectric wave guide and acceptance cone were removed to cut short the lengthy portion
7. The course objective and outcomes were properly written as per the syllabus
8. In the Engineering physics laboratory all the eight experiments were made compulsory
9. The titles of the experiments were properly arranged.











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TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Sponsored by TKR Educational Society, Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad, Accredited by Department of Chemistry)

Composition of BOS

Board of studies of every department shall be constitute as per the UGC guidelines

S. No	Category	Name	Position (Status)	Designation in	Subject Specialization	Signature
1	Head of the Department concerned.	Dr. B. RAJINI KANTH	Professor and Head Science & Humanities Department	Chairman	Materials Science	
2	The entire of each specialization.	Mr. CH. RAJ KUMAR	Asst. Professor	Member	Organic Chemistry	
		Mr. G. LINGASWAMY	Asst. Professor	Member	Analytical Chemistry	
		Dr. M. ASHOK	Professor and Head Science & Humanities Department	Member	Inorganic Chemistry	
4	One expert to be nominated by the vice-chancellor from a panel of six recommended by the college principal.	Dr. SUNDAR	Asst. Professor	Member	Medicinal Organic Chemistry	
5	One representative from industry/Corporate sector/allied area relating to placement.	Dr. A. JAYASREE JNTUH Nominee	Director JNTUH, IST	Member		
6	One postgraduate meritorious alumnus to be nominated by the principal.					
7	The Chairman, Board of Studies, may with the approval of the principal of the college, co-opt a) Experts from outside the college whenever special courses of studies are to be formulated. b) Other members of staff of the same faculty.	Dr. VENKATESWAR REDDY	Professor & HOD H&S	Member	Chemistry	
		Mrs. S. BHAGYALAXMI	Asst. Professor	Member	Organic Chemistry	

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Minutes of meeting

The following are the minutes of the meeting held at TKRCET on 6th Aug 2017 on BOS meeting

1) It is resolved to discuss the Autonomous syllabus Semwise

2) Appropriate course details and other recommendations were reviewed

3) practical based and outcome based education is discussed

4) Syllabus is thoroughly discussed.

University Nominees proposed some changes in syllabus -

Included topics in syllabus:-

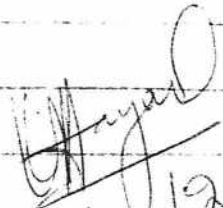
① UNIT-IV - fuels and combustion.
Alternative energy resources - solar energy resources and (Biogas, Biofuel) Bio energy resources.

② UNIT-V - Engineering materials
corrosion & its controlling methods (Any two)
Nanomaterials:- preparation & properties and applications,
Carbon nanotubes & applications.
Refractories and their properties

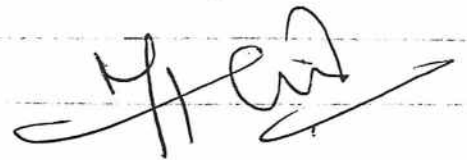
*
**

→ Uniform distribution of Theory & Lab in two semesters suggested by JNTUH university nominee

1) Dr. A. Jayasri
professor in J.N.T.U.H
JNTUH nominee


6/8/2017

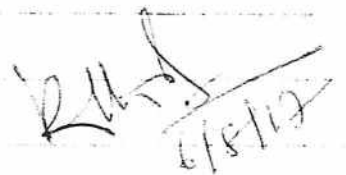
2) Dr. M. Ashok
professor in Chemistry
A.V.N college
member



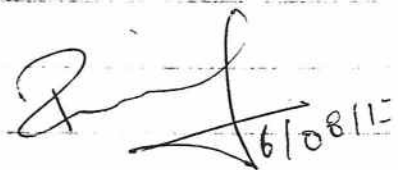
3) Dr. K. Suresh Kumar
Asst. professor in Chemistry
Annamacharya Institute of Technology and Sciences
member



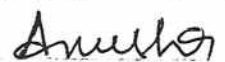
4) Dr. B. Rajnikanth
professor in physics KHODSUA
T.K.R.C.E.T Chairman


6/8/17

5) Ch. Rajkumar
Asst professor in Chemistry
T.K.R.C.E.T member


6/8/17

6) S. ANUSHA
Asst. Professor in Chemistry, T.K.R.C.E.T


Anusha

7) S. Bhagyalaxmi
member

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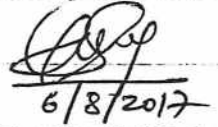

6/8/17

8) Asst. Professor in Chemistry, T.K.R.C.E.T member

8) A. ^{Laxmi}praneetha
Asst Professor in chemistry, TKRLET, member


6/8/2017

9) B. Linga swamy
(TKRLET)


6/8/2017

Asst Prof in chemistry, TKRLET, member



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Minutes of Meeting

7/7/18

The following are the minutes of the meeting held at TKRCET on 7th July 2018 on BOS meeting.

It is resolved to discuss the Autonomous Syllabus semwise

- 1) Appropriate course details and other recommendations were received.
- 2) practical based and outcome based education is discussed.
- 3) Syllabus is thoroughly discussed
University nominees proposed some changes in syllabus -

Included topics in syllabus are:-

- 1) I unit: Molecular structure and theories of Bonding
Included topic - Heteromolecules CO & HF
Eliminated topic - Band structure of solids & effect of dopin on conductance.
- 2) II unit :- Included topic - Boilers troubles - Boilers corrosion
- 3) III unit :- Included topic - fuel cells - H_2-O_2 fuel cell & applications
Eliminated topic - Electroless plating of Nickel.
- 4) IV unit :- Included topic :- Rearrangement reacⁿ types
Eg: pinacol-pinacolone reacⁿ & Beckmann rearrange^{ment}
- 5) V unit :- Included as Introduction instead of

Engineering Chemistry Lab

- ① Detⁿ of Mn present in Kinnor by colorimeter.
- ① Dr. B. Rajinikanth (Chairman)
 Profess^r in Physics & HOD S&H
 T.K.R.C.E.T R. K. S.
21/6/18
- ② Dr. A. Jayasri
 Profess^r in JNTUH (Chemistry)
 JNTU Nominee A. Jayasri
- ③ Dr. K. Sunder Kumar
 Asst. Profess^r in Chemistry
 AITSA K. Sunder Kumar
- ④ Dr. K. RAJU
 Profess^r in GNITC K. Raju
- ⑤ Ch. Rajkumar
 Asst Profess^r in Chemistry, TKRCET Ch. Rajkumar
- ⑥ S. ANUSHA
 Asst Profess^r in Chemistry, TKRCET S. Anusha
- ⑦ G. Linga Swamy
 Asst Profess^r in Chemistry, TKRCET G. Linga Swamy

Minutes of Meeting

21-11-2020

The following points were discussed in the minutes of meeting held at TKRCET (K9) on 21st Nov 2020 on BOS meeting (conducted by online mode)

- The title for chemistry subjects for each branch is given as follows.

Civil Engineering : Material chemistry

Mechanical and EEE : Engineering chemistry





ECE : Applied chemistry

CSE & IT : chemistry

- Thermodynamics for CSE is replaced with stereochemistry, reaction mechanisms, and synthesis of drug molecules.
- The new reference for chemistry subject is added.
- Unfortunately we couldn't add the organic electronics for CSE and ECE due to the lack of subject expertise we try to include by next regulation.

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Following members were attended in the meeting

- Dr. M. Thirumala Chary, Prof & Head, Chemistry, JNTU Nellore
- Dr. Sundar, Asst. prof. in chemistry, Annamacharya college of Engg & Technology, Hyderabad outside college member
- Dr. B. Rajinikanth, Professor of Physics & Head Dept. of S & H, chairman BOS, TKRCET. 
- Dr. T. Naveen Reddy, Asst. prof. Chemistry, BOS member TKRCET 
- Mr. P. Hari Prasad, Asst. prof. Chemistry, BOS member TKRCET 
- Mrs. Anusha, Asst. prof. Chemistry, BOS member TKRCET - S. Anusha 

Minutes of Meeting

The following are the minutes of the meeting held at TKRCET on 15th Oct 2022 in BOS meeting (Conducted by offline/online mode)

- 1) It is resolved to discuss the Autonomous syllabus Semwise.
- 2) Appropriate causes and details and other recommendations were reviewed.
- 3) practical based and outcome based education is discussed.
- 4) Syllabus is thoroughly discussed.

Syllabus:-

Included Topics in syllabus:-

The titles of Chemistry subject branch wise given as:-
 Engineering chemistry common to CSE & AIML
 DS & IT & ECE

Applied chemistry common to ME, CE & EEE

suggested points in syllabus

- 1) For Engineering chemistry :-
 Instead of spectroscopy unit → Energy sources is included.
- 2) For Applied chemistry :-

In Engineering Chemistry & Applied Chemistry
 by syllabus Instead of Aspirin preparation
 acetate preparation is added.

Following members were attended in the meeting.

Dr. K. Vidya - JNTU Nominee. -

Dr. K. Sundar - Asst prof in Annamacharya college
 of Engg & Tech - 15/10/22

Dr. K. Raju - Asst. prof in Chemistry in GNIT - 15/10/22

Dr. B. Rajinikanth, professor in physics & Head of The
 Dept of HES, Chairman BOS TKRCET
 - 15/10/22

Dr. A. prema latha - Asst prof in chemistry TKRCET
 - 15/10/22


. Anusha - Asst prof in chemistry TKRCET - Anusha

. Anuradha - Asst prof in chemistry in TKRCET
 - 15/10/22

. Bagya Lakshmi - Asst prof in chemistry in TKRCET

. ICARESWARATHO - Asst. prof
 - 15/10/22

15/10/22

 Engineering Chemistry(ME & EEE).docx
57K

HUMANITIES SCIENCES <hands@tkrcet.com>
To: rajinikanth@tkrcet.com

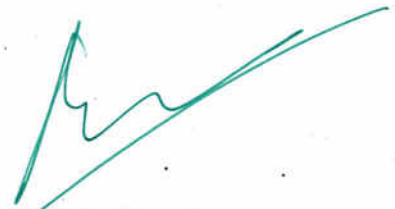
Fri, Jan 27, 2023 at 11:21 AM

----- Forwarded message -----

From: **Maringanti Thirumala Chary** <mtcharya@yahoo.com>
Date: Mon, 23 Nov, 2020, 11:55 am
Subject: Re: Modified Chemistry Syllabus R-20 as per your suggestion, request for e-mail consent for the syllabus approvals-reg
To: HUMANITIES SCIENCES <hands@tkrcet.com>

Dear Sir,
I have gone through all the modified syllabi, which were made as per our discussion took place during the BOS meeting held on 21st Nov, 2020. I approve the syllabi and appreciate the chairman BOS and other members who are involved in bringing out the suitable syllabus. Thanking you sincerely
Dr.M.Thirumala Chary
Professor and Head
Department of Chemistry
Chairman, CRC
JNT University Hyderabad
Kukatpally, Hyderabad-85.
Mail : mtcharya@yahoo.com
Call : +91 9848511562.

[Quoted text hidden]



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Medbowli, Meerpet, Hyderabad- 500097.

TKRCET

Dr. BHOGOJU RAJINI KANTH <rajinikanth@tkrcet.com>

Fwd: Modified Chemistry Syllabus R-20 as per your suggestion, request for e-mail consent for the syllabus approvals-reg

2 messages

HUMANITIES SCIENCES <hands@tkrcet.com>
To: rajinikanth@tkrcet.com

Fri, Jan 27, 2023 at 11:20 AM

----- Forwarded message -----

From: **HUMANITIES SCIENCES** <hands@tkrcet.com>
Date: Sun, 22 Nov, 2020, 2:15 pm
Subject: Modified Chemistry Syllabus R-20 as per your suggestion, request for e-mail consent for the syllabus approvals-reg
To: <mtcharya1@gmail.com>
Cc: <mtcharya@yahoo.com>

----- Forwarded message -----

From: **naveen reddy thuniki** <nrthuniki@gmail.com>
Date: Sun, 22 Nov 2020, 1:44 pm
Subject: Chemistry Syllabus R-20
To: HUMANITIES SCIENCES <hands@tkrcet.com>

Dear sir,
We made the modification as per the BOS discussion.


1. The title for chemistry subjects for each branch is given as follows.
Civil Engineering: Material chemistry
Mechanical and EEE: Engineering chemistry
ECE: Applied Chemistry
and CSE: Chemistry
2. Thermodynamics for CSE is replaced with stereochemistry, Reaction mechanism and Synthesis of drug molecules
3. The new reference for chemistry subject is added.
4. Unfortunately we couldn't add the organic electronics for CSE and ECE due to the lack of subject expertise we try to include by next regulation.


The revised syllabus is attached herewith for your reference and suggestions, please find the attachments.


Thank you

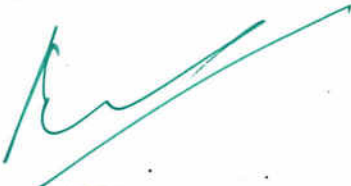
Dr. T. Naveen Reddy
Asst. professor
TKRCET

4 attachments

 **Chemistry(IT and CSE all brances).docx**
58K

 **Material Chemistry(CE).docx**
58K

 **Applied Chemistry(ECE).docx**
58K


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TKR College of Engineering & Technology

Department of Physical Sciences Chemistry

The BOS meeting for R-20 syllabus designing and approval conducted on 21st November 2020 with the composition of

1. Dr. M. THIRUMALA CHARY, Prof. & Head. Chemistry, JNTUH Nominee
2. Dr. SUNDAR, Asst. Prof. in Chemistry, Annamacharya college of Engineering & Technology, Hyderabad outside college member
3. Dr. B. RAJINI KANTH, Professor of Physics & Head Department of S&H, Chairman BOS, TKRCET
4. Dr. T. NAVEEN REDDY, Asst. Prof. Chemistry, BOS Chemistry, TKRECT
5. Mr. P. HARIPRASAD, Asst. Prof. Chemistry, BOS member, TKRECT
6. Mrs. ANUSHA, Asst. Prof. Chemistry, BOS member, TKRECT

The following are the suggestion and modification were made for revised syllabus

1. The title for chemistry subjects for each branch is given as follows.

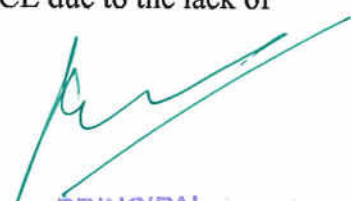
Civil Engineering: Material chemistry

Mechanical and EEE: Engineering chemistry

ECE: Applied Chemistry

and CSE: Chemistry

2. Thermodynamics for CSE is replaced with stereochemistry, Reaction mechanism and Synthesis of drug molecules
3. The new reference for chemistry subject is added.
4. Unfortunately we couldn't add the organic electronics for CSE and ECE due to the lack of subject expertise we try to include by next regulation.



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TKR College of Engineering and Technology

Department of Chemistry

Summary of the First Minutes of the Meeting held on 06/08/2017

The following are the minutes of the meeting held at TKRCET on 6-Aug-2017 on BOS Meeting:

- 1) It is resolved to discuss the autonomous syllabus semester wise.
- 2) Appropriate course details and other recommendations were reviewed.
- 3) Practical based and outcomes based education is discussed.
- 4) Syllabus is thoroughly discussed. University nominees proposed some changes in syllabus.

The included topics in syllabus:

Unit-IV Fuels and Combustion

Alternate Energy Sources – Solar energy Resources and (Biogas, Biofuels) Bioenergy resources

Unit-V Engineering Materials

Corrosion and its Corroding Methods (any two)

Nanomaterials: Preparation and Properties and Applications, Carbon nanotubes and Applications.

Refractories and their Properties

Engineering Chemistry Lab

- I) Preparation of Aspirin

Uniform distribution of theory and lab in two semesters suggested by JNTUH University nominee.



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TKR College of Engineering and Technology

Department of Chemistry

Summary of the Second Minutes of the Meeting held on 07/07/2018

The following are the minutes of the meeting held at TKRCET on 7-July-2018 on BOS Meeting:

- 1) It is resolved to discuss the autonomous syllabus sem wise.
- 2) Appropriate course details and other recommendations were reviewed.
- 3) Practical based and outcomes based education is discussed.
- 4) Syllabus is thoroughly discussed. University nominees proposed some changes in syllabus.

The included topics in syllabus:

Unit-I Molecular structure and Theories of Bonding

Included Topic- Heteromolecules CO & HF

Eliminated Topic- Band Structure of Solids and effect of Doping on Conductance.

Unit-II Water and its treatment

Included Topic- Boiler Troubles and Boiler Corrosion

Unit-III Electrochemistry and corrosion

Included Topic- Fuel Cells- H₂-O₂ Fuel Cells and Applications

Eliminated Topic- Electrolysis plating of Nickel.

Unit-IV Stereochemistry, Reaction Mechanism and synthesis of drug molecules

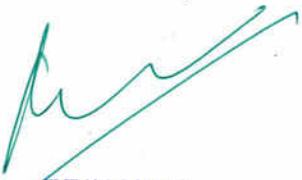
Included Topic- Rearrangement reaction types e.g. Pinacole-Pinacalone Rearrangement and Beckmann Rearrangement


Unit-V Spectroscopic techniques and applications

Included Topic-Introduction of IR Spectroscopy and its Principles.

Engineering Chemistry Lab

1. Determination of Mn Present in KMnO₄ Calorimeter.


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TKR College of Engineering and Technology

Department of Chemistry

Summary of the Third Minutes of the Meeting held on 21/11/2020

The BOS meeting for R-20 syllabus designing and approval conducted on 21st November 2020

The following are the suggestion and modification were made for revised syllabus

1. The title for chemistry subjects for each branch is given as follows.

Civil Engineering: Material chemistry

Mechanical and EEE: Engineering chemistry


ECE: Applied Chemistry


and CSE: Chemistry

2. Thermodynamics for CSE is replaced with stereochemistry, Reaction mechanism and Synthesis of drug molecules

3. The new reference for chemistry subject is added.

4. Unfortunately we couldn't add the organic electronics for CSE and ECE due to the lack of subject expertise we try to include by next regulation.


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Principal
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Medbowli, Meerpet, Hyderabad-97